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QUEEN'S UNIVERSITY

FACULTY OF MEDICINE

ANNUAL CALENDAR



Fifty-Second Session, 1905-1906.

KINGSTON.
THE JACKSON PRESS,
1905.

ACADEMIC YEAR.

1905.

- Sept. 1—Notice of intention to appear at Medical Supplementary and Matriculation Examinations to be given in writing to Dr. W. T. Connell, Secretary of the Faculty. The subjects upon which the candidate intends to write must be stated in his notice, and the fee enclosed.
- Sept. 14—Medical Matriculation Examinations begin.
- Sept. 20—Supplementary Medical Examinations begin.
- Sept. 27—Classes begin.
- Oct. 4—Holiday,—athletic games.
- Oct. 16—University Day.
- Dec. 21—Christmas Examinations begin.
- Dec. 23—Christmas Holidays begin.

1906.

- Jan. 9—Classes re-open.
- Feb. 28—Holiday.
- Mar. 22—Class-work closes for those presenting themselves for M.D., C.M., only.
- Mar. 19—Time expires for receiving essays for University prizes.
- Mar. 23—Examinations begin.
- April 12—Convocation for distributing prizes, announcing honours and laureating graduates.
- April 9—Class-work resumed.
- May 12—Classes close for those taking the eight months' course.

TIME-TABLE FOR FIRST YEAR.

CLASSES.	Mon.	Tues.	Wed.	Thurs	Fri.	Sat.	
Anatomy .....	.....	9—10	.....	9—10	.....	.....	Medical Building.
Biology and Physiology.....	9—10	.....	9—10	.....	9—10	.....	Arts Building.
Physics	10—11	.....	.....	.....	.....	9—10	Till Xmas in Physics Building
Practical Physiology and Histology.....	.....	10—11	10—11	10—11	10—11	.....	5 days a week after Xmas.
Junior Chemistry	11—12	11—12	11—12	11—1	.....	.....	John Carruthers' Hall.
Materia Medica .....	.....	4—5	.....	4—5	.....	.....	Medical Building.
Practical Anatomy.....	2—5	2—4	2—5	2—4	2—5	9—12	Medical Building.

TIME-TABLE FOR SECOND YEAR.

CLASSES.	Mon.	Tues.	Wed.	Thurs	Fri.	Sat.	
Analytical Chemistry .....	.....	.....	.....	.....	.....	10—1	Carruthers' Hall.
Anatomy	9—10	.....	9—10	.....	9—10	.....	Medical Building.
Physiology	10—11	9—10	10—11	9—10	10—11	.....	Arts Building.
Histology and Experimental Physiology.	.....	10—12	11—12	10—11	.....	.....	Arts Building.
Senior Chemistry .....	.....	.....	.....	11—12	11—12	.....	Carruthers' Hall.
Demonstrations in Histology & Embryology.	.....	1—2	.....	1—2	.....	.....	Arts Building.
Materia Medica.....	4—5	.....	4—5	.....	.....	.....	Medical Building.
Pharmacology . ....	.....	.....	.....	.....	.....	8—10	Arts Building.
Practical Pharmacy.....	.....	.....	.....	.....	3—4	.....	Medical Building.
Practical Anatomy	2—4	2—5	2—4	2—5	2—4	9—12	Medical Building.

TIME-TABLE FOR THIRD YEAR.

CLASSES.	Mon.	Tues.	Wed.	Thurs	Fri.	Sat.	
Pathology	9—10	9—10	.....	.....	.....	.....	Medical Building.
Practical Pathology.....	.....	.....	.....	.....	9—12	.....	Medical Building.
Clinical Microscopy .....	.....	.....	.....	.....	.....	9—10	After Christmas.
Applied Anatomy .....	.....	.....	9—10	.....	.....	.....	Medical Building.
Clinical Medicine	10—11	10—11	10—11	10—11	.....	.....	General Hospital.
Clinical Surgery.....	11—12	11—12	.....	11—12	.....	.....	General Hospital.
Clinical Surgery.....	.....	.....	11—12	.....	.....	.....	Hotel Dieu.
Medical Jurisprudence.....	2—3	.....	2—3	.....	.....	.....	Medical Building.
Sanitary Science	3—4	.....	.....	3—4	2—3	.....	After Christmas.
Practice of Medicine.....	.....	2—3	.....	2—3	.....	.....	Medical Building.
Surgery.....	.....	3—4	.....	3—4	.....	.....	Medical Building.
Therapeutics .....	.....	.....	.....	.....	3—4	.....	General Hospital.
Obstetrics.....	.....	.....	4—5	.....	4—5	.....	Medical Building.
Pediatrics	4—5	.....	.....	.....	.....	.....	Medical Building.

TIME-TABLE FOR FOURTH YEAR.

CLASSES.	Mon.	Tues.	Wed.	Thurs	Fri.	Sat.	
Applied Anatomy	9—10	.....	.....	.....	9—10	.....	Medical Building.
Pathology .....	.....	.....	1—2	9—10	.....	.....	Medical Building.
Clinical Microscopy .....	.....	.....	.....	.....	.....	9—10	Up to Christmas.
Eye, Ear, Nose and Throat.....	.....	9—10	9—10	.....	.....	.....	General Hospital.
Clinical Medicine	10—11	10—11	10—11	.....	10—11	.....	General Hospital.
Clinical Medicine .....	.....	.....	.....	11—12	.....	.....	Hotel Dieu.
Clinical Surgery.....	11—12	.....	11—12	10—11	11—12	.....	General Hospital.
Clinical Surgery.....	.....	11—12	.....	.....	.....	.....	Hotel Dieu.
Bacteriology .....	.....	2—5	.....	.....	.....	10—1	Class closes at Christmas.
Practice of Medicine.....	2—3	.....	2—3	.....	2—3	.....	Medical Building.
Surgery.....	3—4	.....	3—4	.....	3—4	.....	Medical Building.
Mental Diseases.....	.....	.....	.....	2—3	.....	.....	Rockwood Hospital.
Clinical Medicine .....	.....	.....	.....	3—4	.....	.....	Rockwood Hospital.
Obstetrics and Gynaecology	4—5	.....	4—5	.....	4—5	.....	Medical Building.
Clinical Gynaecology .....	.....	.....	.....	.....	.....	.....	Clinics arranged for sections of the class.

FACULTY OF MEDICINE.

D. M. GORDON, M.A., D.D., Principal.

J. C. CONNELL, M.A. M.D., Dean.

W. T. CONNELL, M.D., M.R.C.S., ENG., L.R.C.P., LON., Secretary.

Surgery.

HON. MICHAEL SULLIVAN, M.D., Emeritus Professor.

D. E. MUNDELL, B.A., M.D., Professor of the Principles and Practice of Surgery.

W. G. ANGLIN, M.D., M.R.C.S., ENG., Professor of Clinical Surgery.

EDWARD RYAN, B.A., M.D., Associate Professor of Clinical Surgery.

G. W. MYLKS, M.D., Clinical Assistant.

C. A. MORRISON, M.D., Clinical Assistant.

Medicine.

JAMES THIRD, M.D., Toronto ; M.D., C.M., Trinity ; Professor of the Practice of Medicine.

JOHN HERALD, M.A., M.D., Professor of Clinical Medicine.

J. W. CAMPBELL, M.D., C.M., Professor of Pharmacology, Pharmacy and Therapeutics.

EDWARD RYAN, B.A., M.D., Associate Professor of Clinical Medicine.

A. E. ROSS, B.A., M.D., Lecturer in Pharmacology.

W. C. BARBER, M.D., Tor., M.D., C.M., Vic., Clinical Assistant.

W. C. HERRIMAN, M.B., Tor., Clinical Assistant.

W. W. GIBSON, Demonstrator of Pharmacy.

Obstetrics and Gynaecology.

R. W. GARRETT, M.A., M.D., Professor.

ISAAC WOOD, M.A., M.D., M.R.C.S., ENG., F.O.S., EDIN., Associate Professor.

Pediatrics.

ISAAC WOOD, M.A., M.D., M.R.C.S., ENG., F.O.S., EDIN., Professor.

Ophthalmology, Otology, Laryngology, Rhinology.

J. C. CONNELL, M.A., M.D., Professor.

Medical Jurisprudence and Toxicology.

A. R. B. WILLIAMSON, M.A., M.D., M.R.C.S., ENG., L.R.C.P., LOND., Professor.
JOHN McINTYRE, M.A., K.C., Lecturer.

Sanitary Science.

W. T. CONNELL, M.D., M.R.C.S., ENG., L.R.C.P., LOND., Professor.

Pathology and Bacteriology.

W. T. CONNELL, M.D., M.R.C.S., ENG., L.R.C.P., LOND., Professor
A. R. B. WILLIAMSON, M.A., M.D., M.R.C.S., ENG., L.R.C.P., LOND.,
Demonstrator.

Mental Diseases.

C. K. CLARKE, M.D., Medical Supt. Rockwood Hospital for Insane, Professor.

Anatomy.

EDWARD RYAN, B.A., M.D., Professor of Applied Anatomy.
G. W. MYLKS, M.D., Professor.
F. ETHERINGTON, M.D., L.R.C.P. and S., EDIN., Lecturer and Chief
Demonstrator in Anatomy.
A. E. ROSS, B.A., M.D.
A. W. RICHARDSON, B.A., M.D.
C. A. MORRISON, M.D.

} Demonstrators.

Biology, Physiology and Histology.

A. P. KNIGHT, M.A., M.D., Professor.
F. ETHERINGTON, M.D., L.R.C.P.; and S., EDIN., Lecturer in Animal
Morphology.
I. G. BOGART, M.D., Demonstrator.

Chemistry and Applied Chemistry.

W. L. GOODWIN, D. Sc., EDIN., Professor.
ISAAC WOOD, M.A., M.D., M.R.C.S., ENG., F.O.S., EDIN., Lecturer.
JOHN WADDELL, Ph. D., LEIP., D. Sc., EDIN., Lecturer.

Physics.

D. H. MARSHALL, M.A., F.R.S.E., Professor.
N. R. CARMICHAEL, M.A., Associate Professor.
W. C. BAKER, M.A., Demonstrator.

Librarian.

PROF. W. T. CONNELL.

General Statement.

In 1854 the first classes in Medicine were held in Queen's University at Kingston, and in 1855 the first class graduated. The Medical Faculty was originally a Faculty of the University but a separation took place and for some years the Medical School was conducted under the Charter of the Royal Collegè of Physicians and Surgeons at Kingston. In 1892 the Faculty again became an integral part of the University system. This has increased the efficiency and usefulness of the School, which during the past fifty years has contributed its share to scientific medical education and has produced some original scientific work.

Kingston has been known throughout Canada as a University centre for more than sixty years. As a place of residence it is not surpassed by any University city in the Dominion. Good board in respectable private houses can be had at prices ranging from \$3.00 to \$4.00 per week. Lists of boarding and lodging houses can be had from the Secretary of the Faculty.

The College occupies very commodious premises in the group of University buildings and close to the General Hospital. The Medical Building has been recently enlarged and improved. The upper floor is devoted to the study of Anatomy and has a large dissecting room, two lecture rooms and a room for private demonstrations. The laboratories for Pathology, Bacteriology and Pharmacology are also in this building as well as the class rooms for didactic lectures.

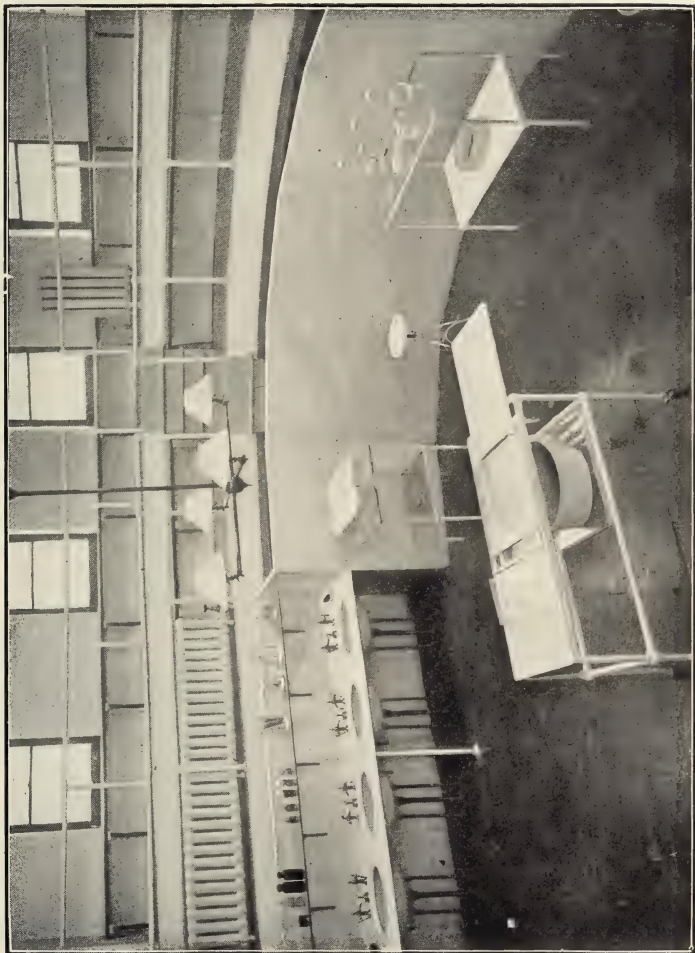
Instruction in Chemistry is given in the John Carruthers Science Hall; in Physics in the new Physics Building ; and new laboratories for Physiology, Biology and Histology have been fitted out in the Arts Building.

The Kingston General Hospital is adjacent to the University buildings. It contains 200 beds and in addition to the wards for Medical and Surgical cases there are various special departments to which students have access. Two years ago the Nickle wing was improved and the accommodation for infectious diseases doubled. The Doran building is reserved for obstetric and gynaecology cases and contains an operating room specially arranged for this work. In the main building, the Fenwick operating room, built in amphitheatre style on modern plans, will seat 100 students and affords every facility for observing surgical operations. There is a private operating room in the main building. There is also a morgue with a room suitable for post-mortem examinations. In the General Hospital about 2500 patients are treated annually.

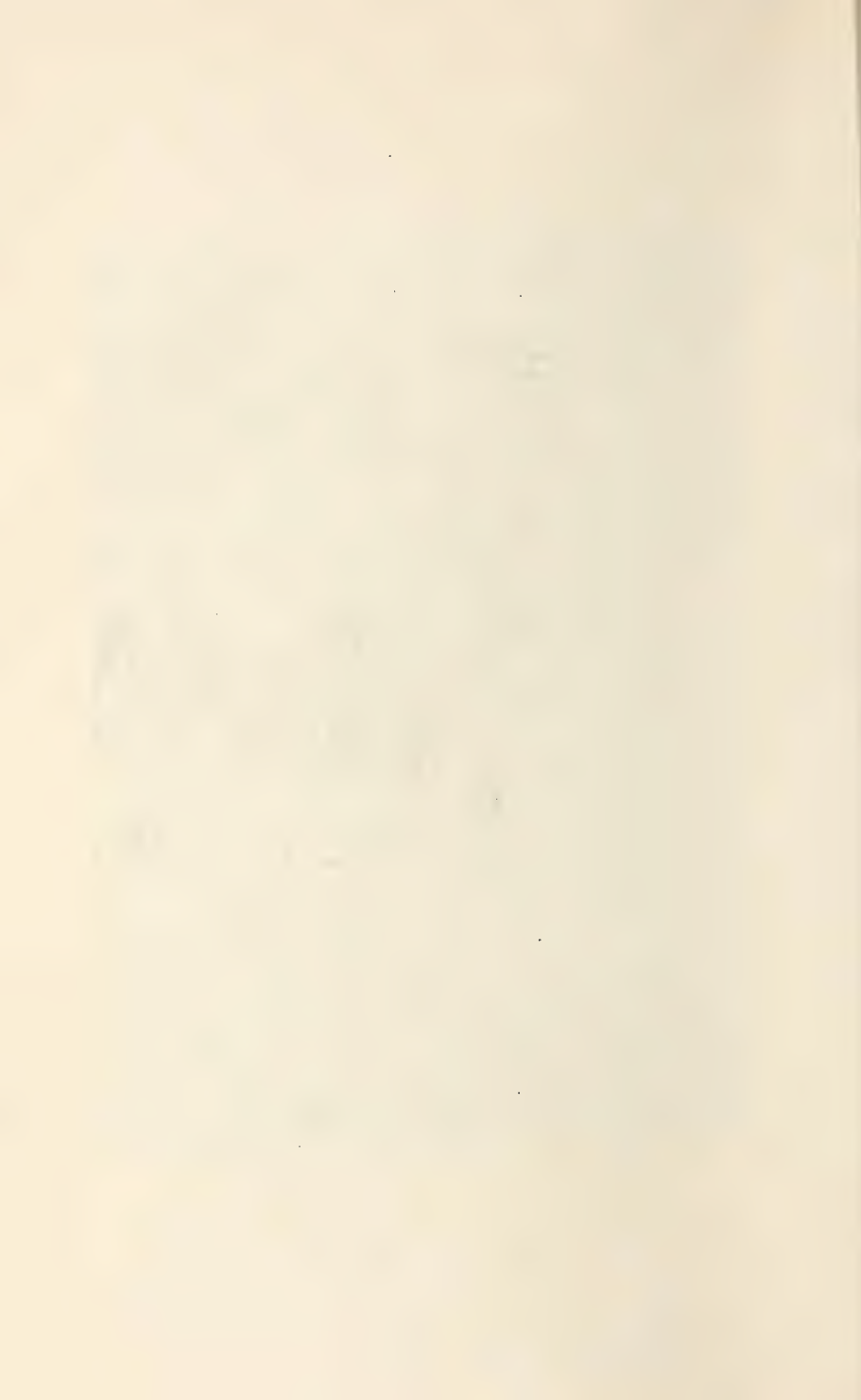
The Hotel Dieu Hospital was founded in 1840. The commodious structures now occupied were re-built in 1892. One hundred and sixty



KINGSTON GENERAL HOSPITAL—FRONT VIEW.



FENWICK OPERATING ROOM, KINGSTON GENERAL HOSPITAL.



patients can be accommodated. An operating room was erected in 1900 and is thoroughly equipped with modern facilities. During the year 1904 patients to the number of 1406 were admitted.

Rockwood Hospital for the Insane is also open to students. It contains about 600 patients. The lectures in Mental Diseases are given in the Hospital as well as clinics, operations and post-mortems.

The Professor of Bacteriology is also a special Health Officer of the Provincial Board of Health so that examinations of large numbers of pathological products are constantly being made in the laboratories.

The period of study required for the degree of Doctor of Medicine is and always has been four years. Graduates in Arts who have taken in their Arts course the subjects of Physics, Chemistry and Biology, including Physiology and Histology, may complete the Medical curriculum in three years. There are also special courses, in connection with the Arts and Science departments, in which the degrees of B.A. and M.D., or B.Sc. and M.D. may be obtained in six years.

To meet the requirements of the Medical Council of Ontario, and the General Medical Council of Great Britain a fifth, or post-graduate, year of study has been arranged.

Certificates of attendance are recognized by the University of Cambridge and the Royal Colleges of Physicians and Surgeons of London and Edinburgh, so that those possessing the degree of M.D. from Queen's University, are entitled to all the privileges in Great Britain that are accorded to the students and graduates of other Colonial Colleges and Universities.

Men alone are admitted.

The Fifty-second Session opens September 27th, 1905, and the last day of lectures is May 12th, 1906.

The University examinations in Medicine begin March 23rd, 1906.

All announcements and regulations contained in this Calendar apply to the current session only.

All applications with reference to the course must be made to DR. W. T. CONNELL, Secretary of the Faculty.

ADMISSION OF STUDENTS.

Candidates for a degree must pass the Medical Matriculation of the University unless (1) they possess a degree in Arts, not being an honorary degree, from any recognized University ; or (2) have already matriculated in Arts in any recognized University ; (3) have passed the Matriculation examination prescribed by the Medical Council of Ontario.

The Matriculation examination must have been passed before a student will be credited with any of the professional examinations, although lectures may be attended till the beginning of the second year before passing it.

No candidate will be allowed to compete for relative standing, prizes or scholarships, till he has completed the Matriculation examination.

The Medical Matriculation will be held in Convocation Hall, beginning September 14th, 1905. Notice of intention to appear must be given not later than September 1st, 1905.

At any centre at which at least two students apply for Matriculation examination, an examination will be held on July 16th. Intending matriculants must notify the Registrar of the University not later than the 15th day of June, 1905.

The usual fee (\$5.00) must be sent with each application.

Equivalent examinations in the different provinces are : Ontario, Jr. Leaving ; Prince Edward Island, Second Class ; Nova Scotia, Grade XI ; New Brunswick, Second Class ; Quebec, Academy Grade III, University School Act AA ; Manitoba, Second Class ; North West Territories, Grade VII ; British Columbia, Intermediate.

SUBJECTS OF MATRICULATION.

ENGLISH GRAMMAR, RHETORIC AND LITERATURE.

The main facts in the development of the language. Etymology and Syntax, including the inflection, classification, and elementary analysis of words and the logical structure of the sentence.

One examination paper.

Composition.—An Essay on one of several themes set by the examiners. In order to pass in this subject, legible writing, correct spelling and punctuation, and proper construction of sentences are indispensable. The candidate should also give attention to the structure of the whole essay, the effective ordering of the thought and the accurate employment of a good English vocabulary. About two pages of foolscap is suggested as the proper length for the essay ; but quality, not quantity, will be mainly regarded.

One examination paper.

Literature.—Such questions only shall be set as may serve to test the candidates familiarity with, and intelligent and appreciative comprehension of, the prescribed texts. The candidate will be expected to have memorized some of the finest passages. In addition to questions on the following selections, others shall be set on a "sight passage" to test the candidate's ability to interpret literature for himself.

One examination paper.

1905.

LONGFELLOW : Evangeline, "The Day is Done," The Old Clock on the Stairs, The Fire of Driftwood, Resignation, The Warden of the Cinque Ports, The Bridge, A Gleam of Sunshine.

WORDSWORTH : "Three Years She Grew in Sun and Shade," "She was a Phantom of Delight," "There is a Flower, the Lesser Celandine," "Ethereal Minstrel, Pilgrim of the Sky," "The Green Linnet," To the Cuckoo, "With Little Here to Do or See."

SHAKESPEARE : Macbeth.

1906.

COLERIDGE : The Ancient Mariner.

WORDSWORTH : Michael, Influence of Natural Objects, Nutting, Expostulation and Reply, The Tables Turned, The Solitary Reaper, Ode to Duty, Elegiac Stanzas, To the Rev. Dr. Wordsworth, "She was a Phantom of Delight," To the Cuckoo, The Green Linnet, "Bright Flower ! Whose Home," To a Skylark, ("Ethereal Minstrel, Pilgrim of the Sky!") Reverie of Poor Susan, To My Sister, "Three Years She Grew in Sun and Shade," September, 1819, Upon the Same Occasion.

The following twelve Sonnets : "Two Voices are There," "Scorn not the Sonnet," "A Flock of Sheep that Leisurely," "Earth Hath not Anything," It is Not to be Thought of," "Fair Star of Evening," "O Friend ! I Know not," "Milton ! Thou Should'st," "When I have borne in Memory," "Brook, whose Society," "Tax not the Royal Saint," They Dreamt not of a Perishable Home."

SHAKESPEARE : The Merchant of Venice.

1907.

TENNYSON : Ode to Memory, The Dying Swan, The Lotus Eaters, Ulysses, "You ask Me, Why," "Of Old sat Freedom," "Love Thou thy Land," "Tears idle Tears," and the six interlude songs from The Princess, The Brook, Ode on the Duke of Wellington, Charge of the Light Brigade, Enoch Arden.

SHAKESPEARE : Julius Cæsar.

MATHEMATICS.

Algebra.—Elementary rules, Highest Common Measure, Lowest Common Multiple, Fractions, Square Root, Simple Equations of one, two and three unknown Quantities, Indices, Surds, Quadratics of one or two unknown quantities.

One examination paper.

Geometry.—Euclid : I, II and III : easy deductions.

One examination paper.

Arithmetic.—Elementary Rules ; Fractions (Vulgar and Decimal). Interest, Discount, and easy problems in Stocks.

One examination paper.

HISTORY OF GREAT BRITAIN AND CANADA.

Great Britain and Canada from 1763 to 1885, with the outlines of the preceding periods of British History.

The Geography relating to the period prescribed.

One examination paper.

ANCIENT HISTORY.

1. General outlines of Greek History to the fall of Corinth.
2. General outlines of Roman History to the death of Augustus.

Geography relating to the history prescribed.

One examination paper.

LATIN.

Translation into Latin of English phrases and easy sentences to illustrate Latin accidence and the common rules of Latin Syntax.

Translation into Latin of easy narrative English based upon the first twenty-five chapters of the prescribed *Cæsar*.

Translation at sight (with the aid of vocabularies) from some easy prose author.

Translation from prescribed texts, with grammatical and other questions naturally arising from the extracts set for translation.

The following are the texts prescribed :

1904, 1905 and 1906 : CORNELIUS NEPOS, *Lives of Themistocles and Aristides* ; CÆSAR, *Bellum Gallicum*, Bk. IV. (omitting Chap. 17), and Bk. V., Chaps. 1-23 ; VIRGIL, *Æneid*, Bk. II. (1-505).

Two papers will be set ; (1) Translation of English into Latin. (2) Prescribed texts and translation at sight, with questions on grammar, etc.

CURRICULUM.

Undergraduates who are candidates for the degree of M.D., C.M., must complete a period of four years study, which must comprise three sessions of at least six months each, and one session of eight months. All students are, however, recommended to attend four full sessions of eight months each, as required by the regulations of the Ontario Medical Council and by those of many of the United States.

Regular attendance on full courses of instruction is required in the following departments.

SUBJECTS OF STUDY.

1st Year :—Physics, Animal Biology, Physiology, Histology, Anatomy, Chemistry, Practical Anatomy, Materia Medica.

2nd Year :—Anatomy, Materia Medica, Practical Pharmacy, Chemistry, —Theoretical, Chemistry—Analytical, Practical Anatomy, Physiology, Histology, Embryology.

3rd Year :—Practice of Medicine, Clinical Medicine, Surgery, Clinical Surgery, Therapeutics, Obstetrics, Gynæcology and Pædiatrics, Jurisprudence, Pathology, Medical and Surgical Anatomy, Sanitary Science.

4th Year :—Practice of Medicine, Clinical Medicine, Surgery, Clinical Surgery, Obstetrics and Gynæcology, Medical and Surgical Anatomy, Pathology and Bacteriology, Mental Diseases, Diseases of the Eye, Ear, Nose and Throat.

To meet the requirements of the Medical Council of Ontario and the General Medical Council of Great Britain, a fifth year course has been adopted as follows :

5th Year :—Operative Surgery on the Cadaver, Sectional Anatomy, Clinical Medicine (including Physical Diagnosis), Ophthalmology, Mental Diseases, Clinical Surgery, Diseases of Women, Diseases of Children, Practical Pathology and Bacteriology with special attention to the examination of urine, sputum, bile, stomach contents, etc.

The above courses of study may have been pursued either wholly at Queen's or partly at Queen's and partly at some other recognized medical school. In the latter case at least one full session must have been spent at this University.

Certificates of attendance on lectures are accepted from incorporated medical schools in the British Dominions and others recognized by British Universities and licensing bodies. Other certificates of attendance on lectures and examinations may be accepted at the discretion of the faculty.

Students who have passed the Senior Leaving examination in Zoology of the Education Department, will not be required to attend lectures on Animal Biology during the first session.

All students must present certificates of having compounded medicine for a period of six months in the office of a regularly qualified medical

practitioner ; of having attended at least six cases of midwifery ; of having reported six medical and six surgical cases ; of having attended and reported on six post-mortem examinations ; and of having attended hospital practice for at least twenty-four months, before being permitted to take their final examination.

Graduates in Arts who have attended during their course lectures, or taken practical instruction of the character or duration required by the curriculum in medicine, may obtain certified tickets of the course on payment of the ordinary fee demanded from students in Medicine, less the laboratory fee, paid during their Arts course.

Students in Arts or Science having the study of Medicine in view are recommended to take either of the following courses, as they may thus obtain their B.A. and M.D., or their B.Sc. and M.D., degree in six years :

Course leading to B.A. and M.D. in six years.

- | | | |
|--|---|----------|
| A.—1. Junior Latin. | } | Any two. |
| 2. Junior Greek. | | |
| 3. Junior French. | | |
| 4. Junior German. | | |
| B.—1. Junior and Senior English. | | |
| 2. Junior Philosophy. | | |
| 3. Junior Mathematics. | | |
| C.—1. Junior Physics and Junior Chemistry. | | |
| 2. Animal Biology and Medical Botany. | | |
| 3. Junior and Senior Materia Medica. | | |
| 4. Junior and Senior Anatomy. | | |
| 5. Senior Physiology and Histology. | | |
| 6. Senior Chemistry | | |
| D.—1. Preliminary Honour Chemistry. | | |
| 2. Preliminary Honour Animal Biology. | | |

Examination on Translation in French or German at the end of the second, third and fourth year.

The degree of B.A. is granted on the completion of the above course which is also equivalent to the completion of the second year in Medicine.

Preliminary Honor Animal Biology, D.—1, must be taken at least one session previously to attendance on Senior Physiology and Histology, C.—5 ; these latter being parts of the final honours.

Course leading to B.Sc. and M.D. in six years.

- | | | |
|------------|---|----------------------|
| First Year | { | Math. 1 (8) |
| | | Junior English (4) |
| | | Physics I. (5) |
| | | Junior Chemistry (3) |
| | | Drawing I (5) |
| | | Surveying I (b) (1) |
| | { | Workshop I (5) |

Second Year	{	Physics II.
		Senior Chemistry and Qual. Analysis.
		Mathematics II.
		Animal Biology.
		Pass Botany.
Third Year	{	Elementary Geology.
		Human Anatomy as for 1st Year Medical students.
		Preliminary Honours in Animal Biology.
		Quantitative Analysis (air, water, food.)
		Hydraulic Engineering I (to be defined.)
		Botany of Algae and Moulds, Bacteriology.
Fourth Year	{	Junior Materia Medica.
		Human Anatomy as for 2nd Year Medical students.
		Final Honours in Animal Biology.
		Municipal Engineering.
		Senior Materia Medica and Pharmacy.
	{	Pathology.
		Sanitary Science.

The degree of B.Sc. is granted on the completion of the above course which is equivalent to the completion of the second year in medicine.

EXAMINATIONS AND GRADUATION.

Every candidate intending to appear at the Final examination, must on or before the 12th day of March (in the year in which he proposes to graduate), present to the Secretary a declaration under his own hand that he is twenty-one years of age, or that he will be so before the date of graduation, accompanied by a certificate of good moral character, and a statement of his medical studies, with proper certificates.

Every student must on or before March 12th notify the Secretary of the examinations upon which he intends to write. For this purpose blank forms are supplied.

EXAMINATIONS.

Examinations are required at the end of every session as follows :—

At the end of the first session :

Anatomy, Animal Biology and Physiology, Theoretical Chemistry, Physics,* Materia Medica.

At the end of the second session :

Anatomy, Physiology, Histology, Materia Medica, Practical Pharmacy, Chemistry—Theoretical and Analytical.

At the end of the third session :

Practice of Medicine, Surgery, Therapeutics, Obstetrics ; Pediatrics, Pathology, Jurisprudence, Medical and Surgical Anatomy, Sanitary Science.

At the end of the fourth session :

Practice of Medicine, Clinical Medicine, Surgery, Clinical Surgery, Obstetrics, Gynæcology, Medical and Surgical Anatomy, Pathology, Bacteriology,* Diseases of the Eye, Ear, Nose, and Throat, Mental Diseases, (Optional.)

*Examinations on these subjects will be held on Dec. 21st, 1905.

On each senior paper the examiner may put pass and honour questions. Students desiring rank must answer both.

Supplementary examinations will be held in Convocation Hall, commencing September 20th, 1905, at 10 a.m.

Students who desire to take an honour course in Arts and who have the study of Medicine in view, are advised to take, during their Arts course, the honour subjects in Animal Biology, and thus complete part of the Practical Anatomy and all the Physiology and Histology of their Medical course. An Arts Degree along these lines shortens by one year the course of study required by the Medical Council of Ontario.

EQUIVALENT EXAMINATIONS.

The following courses and examinations in Arts will be accepted in Medicine :—

1. Attendance on the preliminary honour course and examinations in first year Animal Biology and preliminary honours.

2. Attendance on the honour course and examination in second year Animal Biology, including Histology.

3. Course and examination in Junior Chemistry.

4. Course and examination in Senior Chemistry No. 3, and 1st honour No. 2. Arts Calendar.

5. Course and examination in 1st year honours, No. 1, 2 and 3.

6. Course and examination in Junior Physics, in Arts or Science, or Part II Physics, Senior Leaving.

1. Course and examination in first year Physiology and Animal Biology.

2. Course and examination in second year Physiology and Histology.

3. Course and examination in first year Chemistry.

4. Course and examination in second year Chemistry.

5. Course and examination in Senior Chemistry and in Analytical Chemistry.

6. Course and examination in Physics.

NOTE.—Equivalents 1 and 2 do not apply to Arts Students who attended the honour classes prior to 1894.



MEDICAL BUILDING.

FEES.

Marticulation Examination Fee	\$ 5 00
Registration Fee (for those taking partial courses) 1st year.	5 00
Each year thereafter.	2 00
Sessional Fee for each of the first four years	100 00
The Sessional Fee, including Classes, Registration, Athletics, Library, Examination, Laboratories, and the required amount of dissection material is \$100.00 per session. If paid before October 16th, \$95.00. If not paid in full before Jan. 10, \$105.00. Special arrangements will be made with those who do not take the full course in any year.	
Fifth year.	50 00
Supplemental Examinations (each year).	10 00
Hospital Ticket,—full course, payable with second year fees.	25 00
Hospital Ticket,—one session.	9 00
<i>Ad eundem statum</i>	10 00
Graduation.—M.D., C.M.	30 00
Exclusive use of Microscope per session.	5 00

B.Sc. and M.D. Course.

First year.	\$ 55 00
Second year.	55 00
Third year.	60 00
Fourth year.	65 00

Fifth and sixth years correspond to third and fourth years of M.D. course.

Graduation fees are payable to G. Y. Chown, B.A., Registrar of the University ; all other fees to Dr. W. T. Connell, Secretary of the Faculty of Medicine.

PRIZES.

Besides University prizes, scholarships and honours open to Medical students, the following are offered, viz. :

1. The Dr. Hayunga Prizes in Practical Anatomy for the best dissection of any extremity by two students working together.

2. The Wm. K. Warner Prize for general proficiency in the class of Practical Anatomy.

3. At the end of the second session :

A prize of \$25.00 to be awarded to the student making the highest number of marks on the year's examinations in Anatomy, Physiology, Histology and Chemistry, Theoretical and Practical.

4. The New York Alumni Association Scholarship of \$50.00. Awarded to the student making the highest marks in the honour Physiology and Histology papers of the course. Open also to Arts students in honour Animal Biology.

Some standard work on Medicine (value \$10), presented by Dr. Geo. Hayunga, of New York, will be awarded to the student making the highest percentage of marks on the year's examination in *Materia Medica*, *Therapeutics* and *Pharmacy*.

6. At the end of third session :

The Dean Fowler Scholarship ; value \$50.00.

This Scholarship will be awarded to the student making the highest percentage of marks on the examinations of the year, and will be enjoyed by the successful candidate during the fourth session.

7. The Dr. McCabe Prize of a standard work on Pathology, for the best written and practical examination on Pathology.

8. At the end of fourth session :

The Chancellor's Scholarship of \$70.00.

This Scholarship is open to students who take the examinations of the Ontario Medical Council, and is tenable only on condition that during the following year the winner pursues the studies of the fifth session at Queen's, as prescribed in the Calendar, or studies in Europe for a like period.

This Scholarship will be awarded to the student who has made the highest number of marks on all examinations for the four years' course.

9. A University Medal to the student making the highest number of marks in the examinations in Practice of Medicine, Clinical Medicine, Pathology, Bacteriology, Sanitary Science and Jurisprudence.

10. A University Medal to the student making the highest number of marks in Surgery, Clinical Surgery, Obstetrics and Gynæcology, Medical and Surgical Anatomy.

11-13. Three House Surgeoncies at the Kingston General Hospital, of twelve months each, are to be awarded to the three students making the highest percentages on the examinations of the fourth year. Candidates for these positions must have passed all previous examinations. These appointments must be approved by the Board of Governors of the Kingston General Hospital.

A House Surgeoncy and the Chancellor's Scholarship cannot be held by the same student, but a student winning both may elect which he will hold.

14. A prize of \$25.00, given by Dr. C. K. Clarke, to the fourth year student passing the best examination on the subject of Mental Diseases.

15. Two Clinical Assistants are appointed to the staff of the Rockwood Hospital for the Insane to work during the summer. Applications must be made to Dr. C. K. Clarke, Supt., by whom the appointments are determined, regard being had to the special qualifications necessary for such work.

16. A prize given by Dr. W. T. Connell, for the best practical examination in Chemical and Microscopical Urine Analysis. Open to students of any year.

STUDENTS' APPOINTMENTS.

1. Four prosectors in Anatomy to each of whom a Diploma of merit will be awarded.

2. Prosectors in Applied Anatomy to each of whom a Diploma of merit will be awarded.

3. Demonstrators and Assistant Demonstrators in Pharmacy and Pharmacology.

4. Demonstrators and Assistant Demonstrators in Physiology and Histology.

Fifth year students holding these appointments are exempt from the fifth year fee.

5. Pathological clerks will be appointed in turn during the session to prepare microscopic specimens, and to assist at and report upon post-mortem examinations.

6. Clinical clerks—Medical, Surgical and Gynæcological are appointed to take charge of and report on the cases in the wards of the Hospital.

Course and Methods of Instruction.

ANATOMY.

Edward Ryan, B.A., M.D., Professor of Applied Anatomy.

G. W. Mylks, M.D., C.M., Professor.

F. Etherington, M.D., C.M., L.R.C.P. and S., Edin., Lecturer and Chief Demonstrator.

A. E. Ross, B.A., M.D., C.M.

C. A. Morrison, M.D., C.M.

A. W. Richardson, B. A., M.D., C.M.

} Demonstrators.

Anatomy is taught in the most practical and thorough manner, and throughout the four years of study.

Dr. Etherington devotes all his time to teaching and demonstrating, and to the management of the dissecting room.

Third year students attend Applied Anatomy one hour a week, and fourth year students two hours a week.

Students must dissect the whole of the human body during the course. Preliminary and final examinations are required from each student on each extremity and no certificate is given unless the examinations are satisfactory.

All lectures and demonstrations are illustrated by carefully dissected moist and dry preparations, frozen sections, plates, photographs and drawings.

Special demonstrations are given on the bones, brain, organs of special sense, and viscera.

A study room has also been fitted up in connection with the Anatomical Museum to enable students to take full advantage of the specimens and dissections.

In the third year attention is specially directed to anatomical relations, to ligation of arteries and to displacement in fractures and dislocations. In the fourth year topographical anatomy will receive special consideration.

Prizes are awarded for dissections, and special prizes are given for proficiency in the study of anatomy,

The dissecting room is open from 8 a.m. to 6 p.m., and during the hours for dissection the Professors and Demonstrators are in constant attendance guiding and assisting the work of the students. One entire flat of the Medical Building is devoted to anatomical purposes. The dissecting room is large, well lighted and thoroughly ventilated. An abundance of the best dissecting material, prepared in the most approved manner, is constantly on hand for the use of the students. There are two large modern lecture rooms adjoining the dissecting room.

Students must complete the class in Practical Anatomy before being permitted to write on the examinations in Senior Anatomy.

Arrangements can be made by graduates and others for the use of the dissecting room and for material for special study and research.

BOOKS OF REFERENCE.

ANATOMY—Gray, Heath, Quain, Morris.

PRACTICAL ANATOMY—Cunningham, Heath, Ellis, Barker.

APPLIED ANATOMY—Mundell, Woolsey, Treves, Bellamy, Fuller.

ANIMAL BIOLOGY INCLUDING PHYSIOLOGY AND HISTOLOGY.

A. P. Knight, M.A., M.D., Professor.

F. Etherington, M.D., L.R.C.P., Edin., Lecturer in Animal Morphology.

I. G. Bogart, M.D., C.M., Demonstrator.

First Year. 1. This includes an elementary course of lectures and demonstrations in Animal Biology to be given three days a week throughout the session. The course is common to the pass students in Arts and is designed as an introduction to the whole range of biological studies.

2. The demonstrations in physiology are preceded by a course in the practical anatomy of the cat, especially its visceral anatomy. No formal course of lectures is given, the instruction being limited to a series of demonstrations designed to elucidate the fundamental facts in physiology and histology as discussed in Moore's Elementary Physiology. The student is thus relieved from the labor of note-taking and is expected to spend his time upon the practical work necessary for the proper comprehension of the text-book.

Second Year. 1. The students of the second year will attend throughout the session an advanced course of lectures and practical instruction in physiology and histology. They will be instructed in the use of various physiological instruments, such as the sphygmograph, spirometer, manometer, etc., and everything will be done, as far as time will permit, to make them practically acquainted with modern physiology, its methods, its deductions, and the basis upon which the latter rest.

2. Histology. The minute anatomy of the various tissues and organs will first of all be demonstrated by means of the projection microscope. Subsequently a large number of sections of both fresh and prepared tissues will be furnished to each student for examination under the microscope. These sections must be carefully studied, drawn and described in a blank book specially provided for the purpose.

EQUIPMENT.

1. A laboratory for practical instruction in histology.
2. A laboratory for practical instruction in physiology.
3. A laboratory for the preparation of demonstrations in physiology, histology and embryology.
4. A room for lectures and recitations.
5. A dissecting room for work in comparative anatomy.
6. A room containing the apparatus necessary for all ordinary experiments in physiology.

The professor's private laboratory is open to any post-graduate student who may desire to undertake research work.

BOOKS OF REFERENCE.

PHYSIOLOGY.—Moore's Elementary Physiology for first year students. For second year students, Halliburton's Hand-book, last (5) edition, or the American Text-book of Physiology.

HISTOLOGY.—Sterling, or Dunham ; Boehm, translated and edited by Davidoff and Huber. This latter book strongly recommended.

CHEMISTRY.

W. L. Goodwin, D.Sc., Edin., Professor.	} Lecturers.
Isaac Wood, M.A., M.D., M.R.C.S., Eng.,	
F.O.S., Edin.,	
John Waddell, Ph.D., Leip., D.Sc., Edin.,	

The Lecture rooms and Laboratories are situated in the John Carruthers Science Hall. The laboratories are open from 8 a.m. to 5 p.m. There are three large laboratories, besides smaller rooms devoted to special branches of analytical chemistry and research.

(a.) JUNIOR CHEMISTRY.

1. A course of lectures on elementary chemistry, including a description, with experiments, of the common elements and compounds, a discussion of chemical laws and theories, and practical chemical calculations.

2. Laboratory practice. An introduction to qualitative analysis.

(b) SENIOR CHEMISTRY.

1. Organic chemistry. An outline of theoretical organic chemistry with description of compounds having a relation to the theory and practice of medicine.

2. Physical chemistry. A discussion of chemical laws and theories, including the modern theories of chemical equilibrium and of the properties of solutions.

(c.) PRACTICAL CHEMISTRY,

1. Analytical chemistry, including the testings of solutions and powders by wet and dry methods, and testing for the commoner poisons.

2. Clinical and physiological chemistry, including urinalysis and the examinations of fats, digestive fluids, bile, blood and milk.

The examination in Junior Chemistry must be passed before the classes in practical chemistry can be attended. All class exercises must be handed in before the class is closed for the session. Candidates who fail to do this will not be admitted to the examinations.

BOOKS OF REFERENCE.

Shenston, Waddell, Cohen, Van Deventer, Holland, Purdy.

EYE, EAR, NOSE AND THROAT.

J. C. Connell, M.A., M.D., Professor.

The course consists of fifty clinics and demonstrations delivered in the Fenwick operating room at the General Hospital.

There are also practical lessons in the use of the ophthalmoscope and laryngoscope, the class being divided into sections for this purpose.

Students begin the study of this department in April of the third year.

BOOKS OF REFERENCE.

Connell, Nettleship, Fuchs, Bacon, Dench, Bosworth, Knies, Friedrich

MEDICINE.

James Third, M.D., Tor., M.D., C.M., Trinity, Professor of Medicine.

John Herald, M.A., M.D., Professor of Clinical Medicine.

Edward Ryan, B.A., M.D., Associate Professor of Clinical Medicine.

J. W. Campbell, M.D., C.M., Professor of Therapeutics.

W. C. Barber, M.D., Tor., M.D., C.M., Vic., Clinical Assistant.

W. C. Herriman, M.B., Tor., Clinical Assistant.

In the Theory and Practice of Medicine there are two separate courses.

The third year course includes :

1. A short history of Medicine.

2. Diseases of the blood and of the ductless glands.
3. Diseases of the circulatory system.
4. Diseases of the respiratory system, other than those of an infectious nature.

By arrangement with the professor of pathology, each subject is considered simultaneously in medicine and pathology.

The fourth year course includes infectious diseases and those of the remaining systems.

Much time is devoted to the consideration of those diseases ordinarily met with.

The lectures are illustrated by specially prepared lantern slides, modern plates and diagrams, and by morbid specimens from the pathological museum.

There are daily class reviews.

The clinical lectures are given in the General Hospital, the Hotel Dieu, and Rockwood Asylum.

The clinical course includes the reporting of cases by every member of the fourth year, a certain number of cases being assigned to each student: bedside instruction to sections of the class; clinics in the operating amphitheatre; and demonstrations of instruments and methods employed in physical and other diagnosis.

BOOKS OF REFERENCE.

THEORY AND PRACTICE OF MEDICINE—Osler, Anders, Thompson, Eichorst, Allbut's System, Twentieth Century Practice.

CLINICAL MEDICINE—Hare's Practical Diagnosis. Musser, De Fevre, Jackson.

DERMATOLOGY—Crocker, Grindon, Mracek.

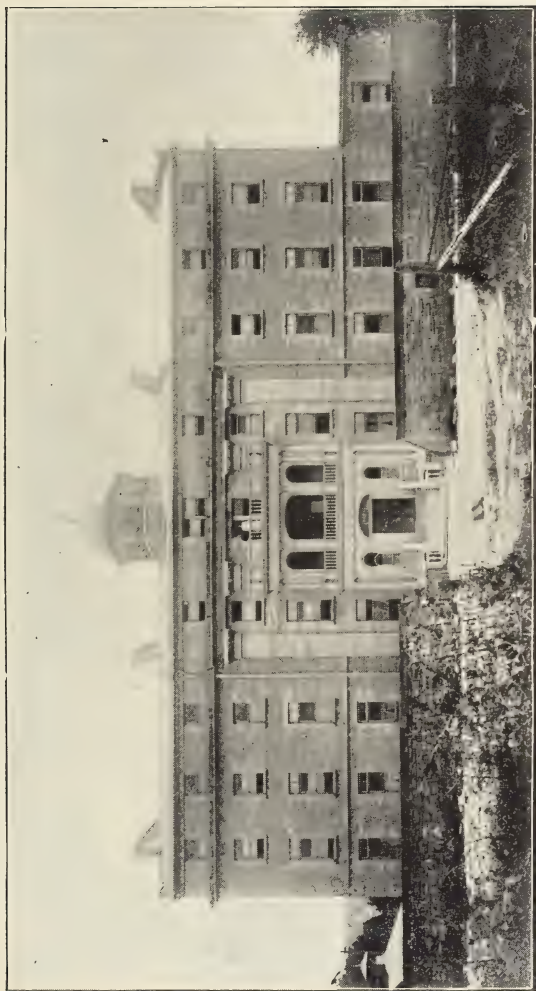
MEDICAL JURISPRUDENCE.

A. R. B. Williamson, M.A., M.D., M.R.C.S., Eng., L.R.C.P.,
Lond., Professor.

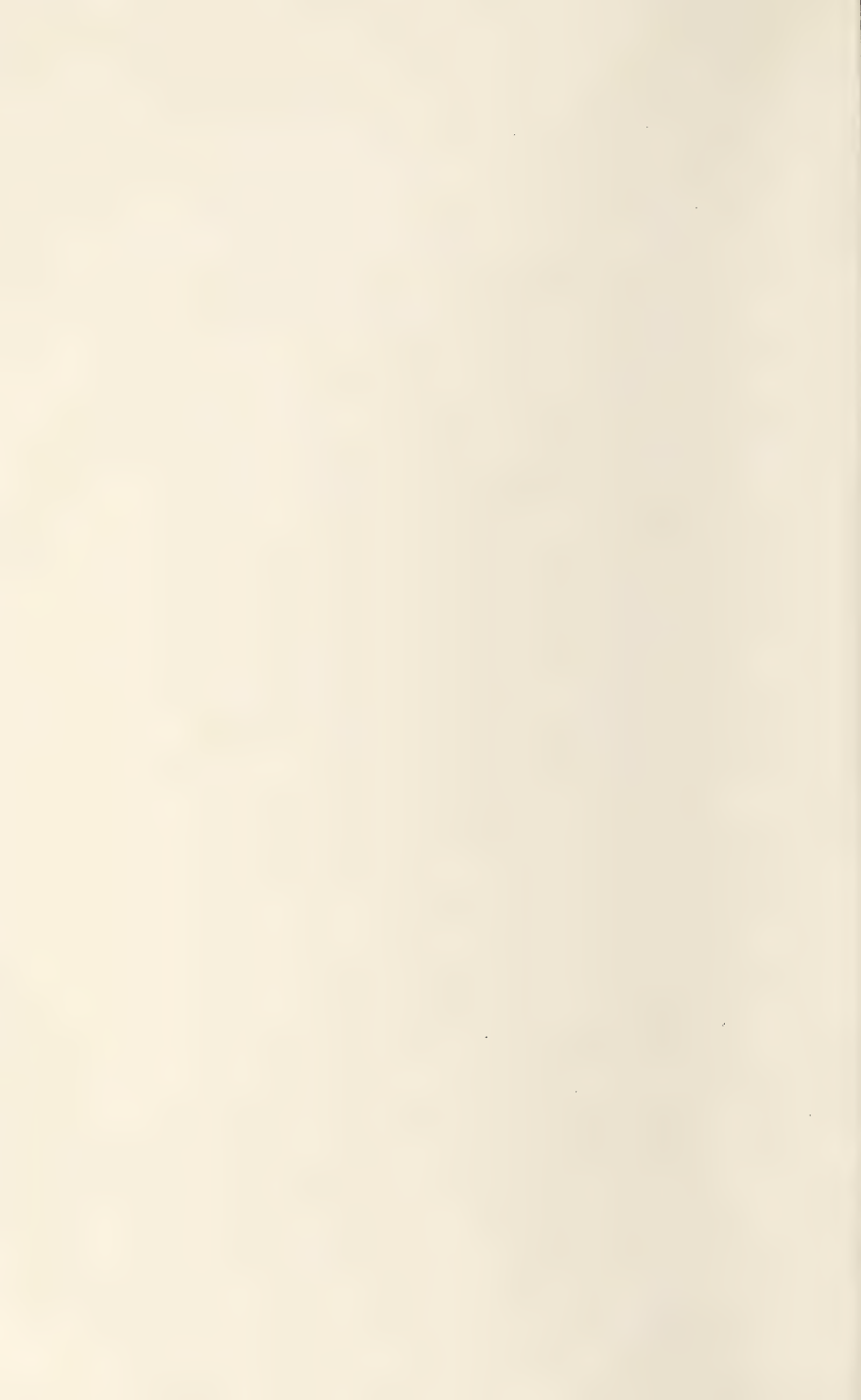
John McIntyre, M.A., K.C., Lecturer.

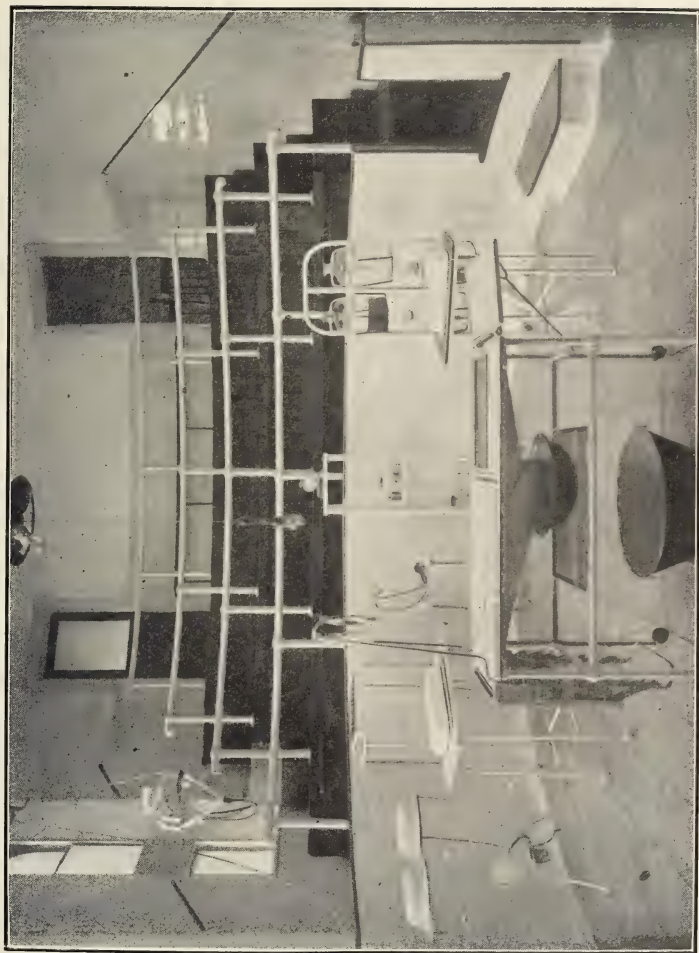
This class includes a course in Toxicology in which the action of poisons, general evidence of poisoning and classifications of poisons are discussed, and reference is made to symptoms, chemical tests and post-mortem appearances.

The course in Jurisprudence includes documentary and oral evidence, identification, real and apparent death, autopsies, the taking down of

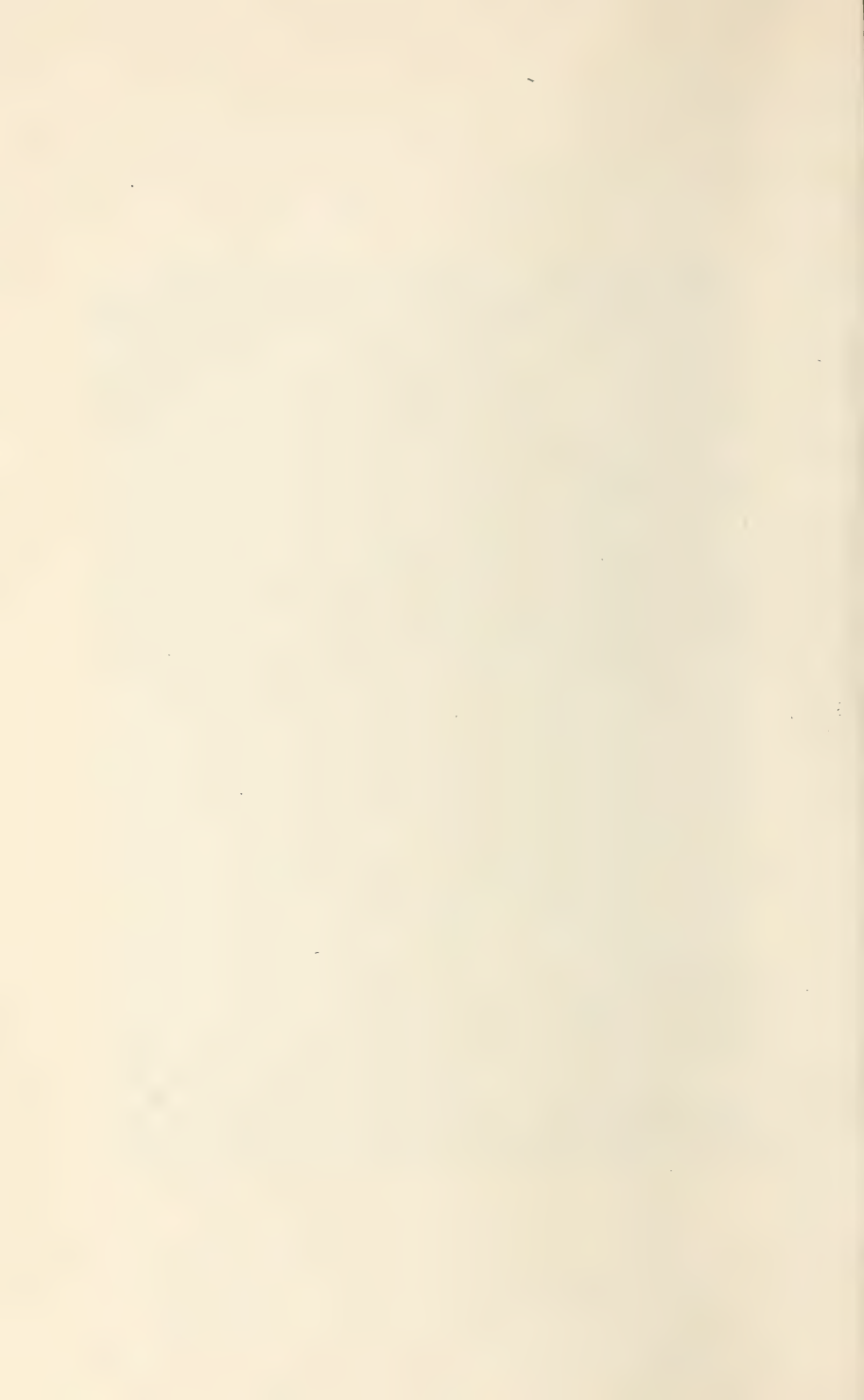


HOTEL DIEU HOSPITAL.





OPERATING ROOM, HOTEL DIEU.



evidence ; the appearance of wounds and other external injuries before and after death ; effects of suffocation, drowning ; the detection of blood stains, seminal fluids, etc. ; the evidence of rape, criminal abortion, concealment of pregnancy and infanticide ; insanity, feigned diseases, impotence, sterility, legitimacy, life assurance and malpractice. The lectures are illustrated with plates and specimens.

BOOKS OF REFERENCE.

Poore, Reese, Herold, Taylor, Hamilton, Tidy, Witthaus & Becker, Peterson & Haines.

MENTAL DISEASES.

C. K. Clarke, M.D., Supt. Rockwood Hospital for the Insane, Professor.

This course of lectures is delivered at Rockwood Hospital for the Insane.

It includes a consideration of Insanity in its various forms, special attention being devoted to diagnosis and treatment.

A prize of \$25.00 is given by Dr. Clarke to the fourth year student passing the best examination in Mental Diseases.

BOOKS OF REFERENCE.

Clouston, Church & Peterson, Savage.

OBSTETRICS AND GYNÆCOLOGY.

R. W. Garrett, M.A., M.D., Professor.

I. Wood, M.A., M.D., M.R.C.S., Eng., F.O.S., Edin.,
Associate Professor.

There are separate courses in Obstetrics for third and fourth year students. Gynæcology is studied in the fourth year.

For third year students the course in Obstetrics will include the anatomy of the pelvis ; anatomy, anatomical relations and physiology of the organs of generation ; menstruation, ovulation and conception ; development of the embryo, foetus and foetal appendages ; the diagnosis of pregnancy, phenomena and management of normal labor ; management of the mother and infant during the puerperal period ; mechanism and management of labor for the several presentations and positions ; delivery by forceps ; by version ; hæmorrhage during pregnancy and post partum.

In the fourth year the complications, disorders and sequelæ of parturition are discussed, and a full course given in Gynæcology.

The lectures are illustrated by artificial pelvis, drawings, models and fresh specimens.

The class is admitted in sections to attend obstetric cases in the Doran Maternity Hospital.

Full instruction is given in the after-management of obstetric cases.

Gynæcological clines and operations are also attended by sections of the class in the Doran Building.

BOOKS OF REFERENCE.

OBSTETRICS—Hirst, Webster, Dorland, Garrigue, American Text Book of Obstetrics, Warren's Principles of Obstetrics, King's Manual.

GYNÆCOLOGY—Gilliam, Dudley, Montgomery, Penrose, Findley's Gynæcology Diagnosis.

PATHOLOGY AND BACTERIOLOGY.

W. T. Connell, M.D., M.R.C.S., Eng., L.R.C.P., Lond., Professor.

A. R. B. Williamson, M.A., M.D., M.R.C.S., Eng., L.R.C.P., Lond.,
Demonstrator.

The course in Pathology comprises :

1. A series of lectures, two per week, during the session on general pathology and morbid anatomy, for students of the third year. These lectures will be illustrated by plates, diagrams and morbid specimens.

2. A weekly demonstration in morbid histology during the session for third year students. At least six sections are prepared and demonstrated each week, so that a representative series of specimens of diseased tissues are thus acquired by students.

3. Each student during the third year will be required to spend from three to four weeks in the laboratory in assisting to prepare, stain and mount microscopic specimens of morbid tissues for class use.

4. A series of lectures and demonstrations on morbid anatomy for students of the fourth year. Two hours per week will be spent during the session.

5. Students will be taken in rotation to assist in making post mortem examinations and in making reports of such examinations. Students must attend at least six autopsies. Autopsies are held at the mortuaries of the General and Rockwood Hospitals.

6. A class will be held one day each week at which the gross and microscopic morbid specimens from autopsies and operations will be demonstrated.

7. A class in clinical microscopy will be held one hour each week during session.

The course in Bacteriology comprises :

8. A series of lectures, followed by practical instruction held during the first three months of the session. Each student will have practical instruction in culture methods, examinations of pure cultures and examination bacteriologically of secretions and excretions of the body, with strict reference to the bearing of such on practical medicine.

BOOKS OF REFERENCE.

PATHOLOGY.—Stengel, Delafield & Prudden, Coates, Zeigler, Coplin, Martin, Thayer, American Text Book of Pathology.

PATHOLOGIC HISTOLOGY.—Gaylord & Aschoff, Duerck.

PATHOLOGICAL AND BACTERIOLOGICAL TECHNIQUE.—Connell, Mallory & Wright, Eyre.

BACTERIOLOGY.—McFarland, Abbott, Sternberg.

CLINICAL DIAGNOSIS.—Simon, Von Jaksch, Da Costa's Hæmatology, Ewing's Pathology of Blood.

PEDIATRICS.

I. Wood, M.A., M.D., M.R.C.S., Eng., F.O.S., Edin., Professor.

This course is taken in the third year. It includes the general care and management of infants ; clinical investigation of diseases in infants ; injuries and diseases of the newly born ; nutrition ; derangements of nutrition ; diseases due to faulty nutrition ; diseases of the digestive system ; acute infectious diseases, etc.

BOOKS OF REFERENCE.

Holt, Goodhart & Still, Jacobi.

PHARMACY, PHARMACOLOGY AND THERAPEUTICS.

J. W. Campbell, M.D., Professor.

A. E. Ross, B.A., M.D., Lecturer on Pharmacology.

W. W. Gibson, Demonstrator of Pharmacy.

In the first year lectures are given twice a week and the course includes a minute study of all the important drugs used, their properties, preparations, physiological action and doses. Plates and specimens will not only be shown but arranged so that the student may at any time study them.

In the second year there is a class in Practical Pharmacy once a week. This includes a thorough and practical drill in prescription writing dispensing and critical examination of drugs. The practical dispensing in the laboratory will be an important feature and will include a demonstration of incompatibilities.

There is also a class in experimental pharmacology in which the students themselves under careful instruction, study the influence of the more important drugs and chemicals upon animals, with variations from the normal.

The laboratory for pharmacology is being equipped thoroughly.

In therapeutics the course includes a study of the selection of suitable remedial agents, with dosage and indications. A thorough consideration will be given to the latest therapeutic agencies, including electro-therapeutics, X-ray work, climatology, hydrotherapy and massage.

BOOKS OF REFERENCE.

Hare, Mitchell Bruce, Sollman, Cushney, Coblentz.

PHYSICS.

D. H. Marshall, M.A., F.R.S.E., Professor.

N. R. Carmichael, M.A., Associate Professor.

W. C. Baker, M.A., Demonstrator.

Demonstrations will be given twice a week to first year students till Christmas. The work is arranged to suit the requirements of students beginning the study of Medicine, and will give a concise outline of mechanics, hydrostatics, sound, heat, light, electricity and magnetism.

SANITARY SCIENCE AND PREVENTIVE MEDICINE.

W. T. Connell, M.D., M.R.C.S., Eng., L.R.C.P., Lon., Professor.

These lectures are taken during the third year. They include the subjects of food, water, air and ventilation, sewage disposal, dwellings, hospitals, climate and soil in their relation to public health. The nature, methods of spread and means of prevention of the infective diseases will also be considered, including isolation, disinfection, quarantine and disposal of the dead.

BOOKS OF REFERENCE.

Bergey, Harrington, Notter & Firth, Abbott, Pyle.

SURGERY.

D. E. Mundell, B.A., M.D., Professor.

W. G. Anglin, M.D., M.R.C.S., Eng., Professor Clinical Surgery.

E. Ryan, B.A., M.D., Associate Professor Clinical Surgery.

G. W. Mylks, M.D., Clinical Assistant.

C. A. Morrison, M.D., Clinical Assistant.

There are two courses in Surgery, a Junior and a Senior. The Junior class receives instruction in the principles of surgery with special reference to systemic diseases.

The course includes lectures on inflammation and its results, on erysipelas, tetanus, pyaemia, etc., on wounds and contusions, burns and scalds, on gonorrhœa and syphilis, and on diseases of the bones and joints.

In the senior year the course is devoted chiefly to regional surgery, including fractures and dislocations, injuries and diseases of the head and spine, the surgery of the mouth, neck and chest, hernia and the injuries and diseases of the abdominal viscera, the regional surgery of the pelvic organs and the perineum.

During the senior year all the principal operations are performed by the student himself. The class in operative surgery which is held once a week, is notified of the operation to be performed and each student is supposed to be ready to perform it as he does not know who will be called upon. Two other students are detailed to assist the operator, and every step is followed as carefully as though he were operating on the living body. He is taught how to hold the knife, how to ligate vessels and how to suture. He thus has an opportunity to acquire practical surgical skill that no amount of reading or lecturing can afford.

Special instruction is given in the use of bandages, splints, dressings and surgical technique.

The clinical lectures are delivered at the General Hospital, the Hotel Dieu and Rockwood Hospital, in the operating theatres and at the bedside in the wards. Major operations are performed before the whole class. During the session the students act as clinical clerks and dressers, and thus are brought into immediate contact with the patient and enabled to follow the case from day to day.

BOOKS OF REFERENCE.

International Text Book Warren-Gould, Whitman's Orthopaedic Surgery, Treves' System, Treves' Operative Surgery, Da Costa, Hamilton on Fractures and Dislocations, Dennis' System of Surgery, Brewer, Roberts.

MUSEUM.

The Pathological Museum contains numerous valuable specimens collected both from hospital and private practice.

Contributions of morbid specimens will be gladly received from practitioners and duly acknowledged in the next Calendar.

RECEIVED DURING 1904-5.

A series of specimens from autopsies made at Blackwell's Island Hospital, Dr. F. M. Bell.

Malignant Cyst-Adenoma of Ovary, Dr. Ilett, Watertown, N.Y.

Double Knot in Umbilical Cord, Dr. Boyd, Sudbury.

Proliferous Cyst of Breast, Dr. Carruthers, New Glasgow, N.S.

During the year many additions have been made from the operation and post-mortem material of the General Hospital, Hotel Dieu and Rockwood Hospitals, through the courtesy of the Medical Staffs of these institutions.

The Anatomical Museum has received numerous additions during the year, chiefly as a result of the labor of Dr. Etherington. A partial list of the preparations added is given below.

Dissection to show Cartilages of Larynx.

Dissection of Bladder and Prostate Gland.

Dissection of Male Urethra.

Dissection of Pelvis and Testicle.

Dissection of Structures of the Foot.

Dissection of Brain and Sections.

Dissection of Female Pelvic Organs.

Dissection of Foetal Abdominal Organs.

Cross Sections of Male Pelvis, Abdomen, Thorax, Arm, Fore-arm, Wrist, Thigh, Legs and Foot.

Longitudinal Sections through Knee and Ankle Joints.

Dissection of Ligaments of Foot.

LIBRARY.

The University Library is open to Medical students as well as to the students of the other Faculties.

The Medical Library is maintained by the Faculty in the Medical Building and is open to students. The Librarian is a member of the Association of Medical Librarians, which has for its object the fostering of medical libraries and the maintenance of exchange of medical literature.

During the past year a number of valuable books was received from the library of the late Dr. D. Cunningham.

The reading room is provided with the leading medical and surgical publications of the day.

REQUIREMENTS FOR LICENSE.

A University Degree does not always give the right to practice the profession of Medicine. It is also necessary to conform with the laws pertaining to the practice of Medicine in the province, state, or country in which it is proposed to begin practice. Each province in Canada has a special standard of medical education and special requirements for license.

PROVINCE OF ONTARIO.

The announcement of the College of Physicians and Surgeons of Ontario, may be obtained from Dr. R. A. Pyne, Registrar, corner Bay and Richmond Streets, Toronto.

The matriculation examination is the examination conducted by the Education Department on the course prescribed for Junior Matriculation in Arts, 40% minimum in each subject and 50% on total.

Graduates, in Arts and those who have passed Senior Arts Matriculation or the examination conducted at the end of the first year in Arts are entitled to registration as matriculants.

Five years must be spent in actual professional studies. Four winter sessions of eight months each are required; the fifth or final year is devoted to clinical work.

Examinations are held at Toronto and Kingston. Three examinations are demanded, a primary at the end of the second year, an intermediate at the end of fourth year, and a final at the completion of the fifth year.

The fees are (a) Registration, \$20.00, (b) Primary Examination, \$30.00, (c) Intermediate and Final Examination, including registration, \$50.00.

An examination will be held in Toronto on the third Tuesday in November, 1905. The next examination thereafter will be held at Toronto and Kingston on the third Tuesday in May, 1906.

PROVINCE OF QUEBEC.

Information as to qualifications for the practice of Medicine in the province of Quebec can be had from Dr. J. A. McDonald, 1 Belmont St., Montreal, or to Dr. C. R. Paquin, Quebec.

PROVINCE OF NOVA SCOTIA.

The regulations for candidates for the license of the Provincial Medical Board of Nova Scotia can be had from Dr. A. W. H. Lindsay, 241 Pleasant St., Halifax, N.S.

Examinations take place twice a year, beginning on the first Thursday in May and the last Thursday in August.

PROVINCE OF NEW BRUNSWICK.

The Registrar, Dr. Stewart Skinner, St. John, N.B., will furnish details on application.

To become registered as a practitioner in this province it is now necessary to pass examinations in all professional subjects.

The professional examinations will be held in St. John once each year, commencing on the fourth Wednesday in June, and at other times when considered advisable.

PRINCE EDWARD ISLAND.

The requirements for this Province are the same as those of New Brunswick and there is reciprocity with New Brunswick and Nova Scotia.

MANITOBA.

Dr. J. S. Gray, 358 Hargrave Street, Winnipeg, is the Registrar, and will, on request, send particulars. The fee for registration and license is \$75.00.

BRITISH COLUMBIA.

The Registrar is Dr. C. J. Fagan, Victoria, B.C., to whom applications should be made for particulars. Examinations are held in the professional subjects, primary and final. The fee is \$100 and examinations are held twice a year, the first Monday in May and the last Monday in October.

NORTH-WEST TERRITORIES.

According to the amended Medical Ordinance (1900), a licentiate of any province in Canada may register and practice in the North-West Territories on payment of the special fee and without examination. Dr. J. D. Lafferty, Calgary, Alberta, is the Registrar.

GREAT BRITAIN AND IRELAND.

The General Council of Medical Education and Enregistration has general supervision over the various licensing and examining Boards and keeps the Medical Register. Enrolment on the Register entitles one to practice not only in Great Britain but in most British Colonies (except Canada). The main licensing and examining bodies recognized in Great Britain apart from the universities are as follows :

In England—The Conjoint Board of the Royal College of Surgeons of England and Royal College of Physicians of London. Information can be obtained from the Secretary, Examination Hall, Victoria Embankment, London, W.C.

In Scotland—The Conjoint Board of the Royal Colleges of Physicians and Surgeons of Edinburgh and the Faculty of Physicians and Surgeons of Glasgow. Information can be obtained from Mr. Geo. Robertson, 54 George's Square, Edinburgh, or from Mr. Alexander Duncan, 242 St. Vincent St., Glasgow,



PHYSICS' BUILDING.

In Ireland—The Conjoint Board of the Royal Colleges of Physicians and Surgeons of Ireland, of which Board the Secretary is Mr. Greenwood Pim, 6 Kildare St., Dublin.

Certificates of Queen's University Medical Faculty are accepted by these Boards, so that those possessing the degree of M.D., from Queen's University are entitled to all the privileges in Great Britain that are accorded to students and graduates of other Colonial Colleges and Universities.

NEW YORK STATE.

All communications concerning license examinations should be addressed to "Examination Department," University of the State of New York, Albany, N.Y.

Examinations are held at New York, Albany, Syracuse and Buffalo, in the months of January, May and September.

NOTE.—The Journal of the American Medical Association publishes an Abstract of the Laws regulating the Practice of Medicine in the various States and Territories of the United States. The price is 30c., and it can be had by addressing the "American Medical Association," 103 Dearborn Street, Chicago, Ill.

Examination Papers.

PHYSICS.

1. State the relation between the pressure and volume of a gas when its temperature is constant. How do we measure the pressure of a gas?
2. What is meant by saying that water has its maximum density at 4°C ? What purpose does this fact serve in nature?
3. Alcohol boils at 78°C . Describe the result of heating a mixture of alcohol and water from 20°C . to 100°C . Describe the behaviour of steam when heated above 100°C .
4. What is meant by the pitch of a sound? On what does it depend?
5. Describe a compound microscope indicating the nature and positions of the images formed.
6. Describe the solar spectrum. What do we learn from the dark lines?
7. A man may feel the effects of a lightning discharge when he is merely in its neighbourhood but not actually in its path. How would you explain this?
8. (a) What fraction of an ampere is a milliamperere? (b) Describe a milliamperemeter.
9. What should be the resistance of a shunt that a galvanometer may measure $1/100$ of the total amount?
10. Describe the production of the X-rays.

JUNIOR CHEMISTRY.

1. (a) State Avogadro's law. (b) Show its connection with the calculation of molecular weights from the densities of gases.
2. Express in words and by equations the result obtained by burning in oxygen the following substances: sulphur, phosphorus, marsh gas, ammonia.
3. Where the substances in the above reactions can exist as gases, write the equations so that the volumes can be compared and state the relative volumes.
4. What is the action of sulphuric acid on (a) copper, (b) potassium nitrate, (c) potassium iodide, (d) calcium chloride, (e) zinc oxide?

5. How is chlorine obtained? What are its properties? What is its action on potassium bromide, on sulphur dioxide and on ferrous chloride?

6. (a) Name three sulphides of metals that may be obtained by passing sulphuretted hydrogen through acidulated solutions of salts of the metals. (b) Name three sulphides that will yield sulphuretted hydrogen by the action of sulphuric or hydrochloric acid on the sulphides. (c) Write the equations.

7. (a) Define equivalent weight, atomic weight and molecular weight. (b) Indicate how they are found. (c) Apply your definitions to chlorine, oxygen, sulphur and mercury.

8. (a) How are hypophosphites obtained? (b) What is produced at the same time? Write the formulae of sodium hypophosphite and of calcium hypophosphite.

9. What volume of gaseous ammonia measured at 15° C. and under 570 min. pressure can be obtained from 20 grammes of ammonium chloride? (Full value will be given if the factors are properly written down, even though the arithmetic is not worked out. The examiner will furnish any atomic weights asked for).

10. State the law of reciprocal proportions and show that it is essential in establishing the atomic weights of the elements.

JUNIOR ANATOMY.

1. Write notes on ossification of clavicle and name muscles and ligaments attached thereto.

2. Write notes on the distinctive characteristics of a cervical vertebra and describe fully the axis.

3. Describe the knee joint under the headings (a) classification, (b) bones entering into formation, (c) ligaments, (d) muscles in relation with the knee joint.

4. Give the boundaries and floor of the cubital fossa and name the structures contained therein.

5. Write notes on (a) costo coracoid membrane, (b) bicipital fascia, (c) posterior annular ligament of the wrist, (d) ligamentum teres, (e) ileo-femoral ligament.

6. Give origin, insertion, and nerve supply of following muscles: (a) triceps, (b) pronator radii teres, (c) external pterygoid, (d) trapezius, (e) obturator internus.

ANIMAL BIOLOGY AND JUNIOR PHYSIOLOGY.

1. In what forms is the energy of the body expended? What is its immediate and its remote source?
 2. Name the essential parts of a flower. Explain how plant fertilization takes place.
 3. Describe the social life of the honey bee, also the life history of the tape-worm.
 4. Describe the structure of the skin and give rules for its care.
 5. Enumerate the various mechanisms for the care of the eye. Describe the middle ear.
 6. What sensations originate from nerve impulses that start from the skin? How do we know that these impulses are transmitted by different sets of nerve fibres?
 7. Mention the two principal constituents of bone. Deduce from this composition of bone, rules for its growth and care.
 8. Explain how the *general* blood supply of the body, and the *local* supply to different organs are regulated.
 9. Describe the action of the pancreatic juice upon food.
 10. Explain how the oxygen of the air passes down to the air-sacs of the lungs.
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PHARMACOLOGY—FIRST YEAR.

1. Distinguish between: Antiseptic and disinfectant, contagion and infection, stimulant and irritant. What agents would you employ in disinfecting (*a*) hands, (*b*) instruments, (*c*) stools of typhoid fever, and (*d*) sick room after an infectious disease?
2. What is meant by the medicinal dose of a drug? What circumstances modify the dose? How determine the dose for a child 2 years old?
3. What are the advantages and disadvantages of hypodermic medicine? Mention an agent so used, giving dose and indications for use.
4. How do the following drugs influence digestion: alcohol, strychnine, and potassium bicarbonate?
5. Mercury. Give action on alimentary tract. Mention the principal preparations with dose of each. Name the preparations containing free mercury. Give symptoms of hydrargyrisms.
6. How do the iron salts prove curative in anaemia? What circumstances would influence you in the selection of a preparation of iron? Name four of the preparations of iron with dose of each.

SENIOR ANATOMY.

1. Describe fully the thyroid gland, giving its nerve and blood supply.
2. Describe the ethmoid bone.
3. Give the disposition of the dura matter, its nerve and blood supply.
4. Give the dissection necessary to expose the external plantar artery, its course and distribution.
5. Give the relations (peritoneal and visceral) of the uterus. Name its ligaments and describe fully its blood supply.
6. Write notes on (*a*) torcular herophili, (*b*) thoracic duct, (*c*) ductus communis choledochus, (*d*) Wharton's duct.
7. Give the course and distribution of (*a*) hypoglossal nerve (12th cranial), (*b*) radial artery, (*c*) radial nerve.
8. Write notes on the lymphatic system of the lower extremity.

SENIOR PHYSIOLOGY.

1. How would you demonstrate the rate at which nerve impulses pass out to muscle? Also, the effect of alcohol upon muscle?
2. Explain and illustrate what it meant by the local and general effects produced by vaso-motor nerves. Describe Cohnheim's experiment.
3. Specify the different functions of the bile salts.
4. Describe the nervous mechanism of respiration. How does the respiratory system affect the vascular one?
5. Explain how you would obtain two proteids from milk. Discuss the effects of food, and of the nervous system, upon the secretion of milk.
6. Indicate the location of the cell bodies, and describe the relation of the neurons composing the posterior roots of the spinal nerves. Give the evidence in support of your statements.
7. Describe the pathway of nerve impulses when a sound is heard and we look around to discover its cause. Use a diagram to illustrate your answer.

HISTOLOGY

1. Describe minutely adenoid tissue as it really is, and microscopic appearance. Enumerate where found.
2. Give the histology of trachea, (L) and (H) power. Distinguish from intra-pulmonary bronchus and bronchiole.
3. Describe a liver lobule and a portal canal. Distinguish the structures found in the latter.
4. Compare (*a*) cardiac end of stomach and pyloric end, (*b*) fallopian tube and ureter.
5. Draw, describe and identify the specimens submitted.

SENIOR CHEMISTRY.

1. State in words and show by graphic formulae the relations between alcohols, ethers, esters, mercaptans and thioethers.
2. Build up the equation for the action by which aldehyde is obtained from alcohol, potassium dichromate and sulphuric acid.
3. Show the relation between the paraffin, olefine and acetylene series of hydrocarbons. Give any general method by which the members of *any* of the series may be produced.
4. (a) Show the relation between ammonium cyanate and urea. (b) Describe how the latter can be formed from inorganic materials.
5. Describe any medicinal compound that is a derivative of benzene showing its connection with benzene and the steps by which it is produced.
6. Discuss *chemical equilibrium* such as that obtained when alcohol and acetic acid are mixed
7. Show the kind of reasoning by which the constitution or graphic formula is arrived at for acetic acid, *or* ethyl cyanide and isocyanide, *or* glycerine, *or* pyrogallol, *or* acetanilide.
8. Discuss the relation of the heats of formation of compounds to their stability. Give examples.
9. Discuss the influence of dissolved substances upon (a) the freezing point, (b) the boiling point, and (c) the vapour pressure, of the solvent.
10. In what respects are the processes of dissolving, evaporation, melting of ice and deliquescence similar to chemical changes?

SECOND YEAR PHARMACOLOGY

1. What agents would you employ to check hæmorrhage from (a) stomach, (b) nose, (c) lungs, (d) intestinal tract? In what form and strength would you employ them in each case?
2. Give the influence of the following upon the genito-urinary tract: Digitalis, caffeine, copaiba, belladonna and benzoic acid.
3. Anaemia with symptoms of palpitation, impaired digestion, constipation, etc. Write a prescription to be dispensed in a (a) liquid form, (b) pill form.
4. Define hypnotic. Distinguish between hypnotic, narcotic, and general anaesthetic. Mention the principal hypnotics, with doses.
5. Describe minutely the different steps in locating the seat of convulsions due to strychnine.
6. (a) Distinguish between anodyne and anaesthetic. How does cocaine prove anaesthetic? Give strengths and indications for use.
(b) Chloroform as an anaesthetic. How administered? Note precautions and dangers in its use. How treat the threatened collapse?

JUNIOR PRACTICE OF MEDICINE.

1. "A man is only as old as his arteries." Discuss this statement.
 2. Give the symptoms, blood findings, and treatment of chlorosis. Write a short account of the chemistry of the gastric juice in this condition.
 3. Describe the symptoms and physical signs of acute broncho-pneumonia (capillary bronchitis.)
 4. Give the symptoms of (*a*) over thyroidization, (*b*) under thyroidization of the human system due to changes in the thyroid gland.
-

JUNIOR SURGERY.

1. Define: Gangrene, pyæmia, shock, caries.
 2. (*a*) Mention three varieties of gangrene, (*b*) symptoms of senile gangrene. (*c*) What is the chief pathological factor in the production of senile gangrene?
 3. Mention in detail the steps in the procedure of treating an ordinary incised wound of the leg.
 4. Symptoms, diagnosis and treatment of (*a*) simple cutaneous erysipelas, (*b*) tetanus.
 5. Symptoms and treatment of acute infective periostitis.
 6. Treatment of simple acute synovitis; diagnose this condition from hæmarthrus.
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JUNIOR OBSTETRICS AND PEDIATRICS

1. Describe briefly, the ovum, the deciduae, the funis.
2. Give the nerve supply to the uterus, and explain the nervous mechanism of uterine contractions.
3. Diagnose and treat a case of right occipito-posterior.
4. You are called to a case in the first stage of labor and find a profuse uterine hemorrhage going on. What would be the most likely cause of the hemorrhage? How would you treat the case?
5. What are the functions of fat in the system? What are the indications (*a*) to increase, (*b*) to decrease the percentage of fat in a child's diet?
6. Give (*a*) the symptoms, (*b*) the complications that may arise. (*c*) The treatment in a case of oxyuris vermicularis.

PATHOLOGY—THIRD YEAR.

1. Give the differential blood characters of a grave chlorosis and pernicious anaemia.
 2. Give the usual sites, causes and lesions of acute simple endocarditis. Summarize the dangers immediate and remote of this affection
 3. What are the requisites for hypertrophy of an organ? Give the causes and their method of action in hypertrophy of left ventricle of heart.
 4. What is fever? What are its causes and into what stages or periods may it be divided, giving characters of such periods?
 5. Give the diagnostic features of sarcomas. Classify these tumors and describe any one variety in detail.
 6. What are the conditions which lead to thrombosis? Describe the series of changes which may occur in a thrombus in a vein.
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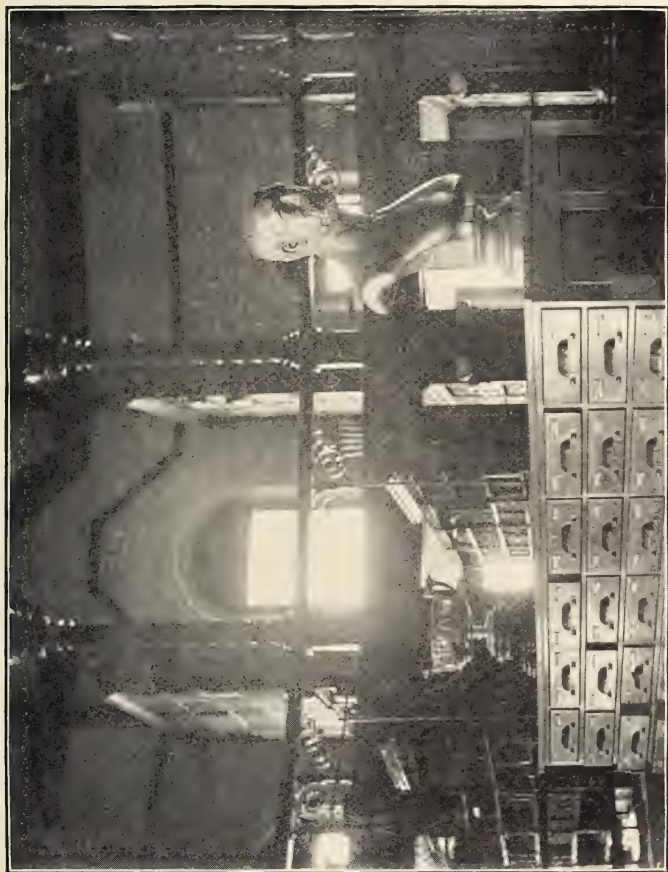
SANITARY SCIENCE.

1. Describe the methods of spread and the measures advisable to prevent the dissemination of (a) typhoid fever, (b) diphtheria, (c) malaria, (d) tuberculosis.
2. Discuss the value (advantages and disadvantages) and uses of bichloride of mercury, carbolic acid, formalin, sulphur dioxide and potassium permanganate as disinfectants.
3. Describe methods you would advise to disinfect (a) typhoid stools, (b) tubercular sputum, (c) room and bedding after scarlet fever.
4. What diseases are commonly disseminated through water? Mention some ways in which water may be purified on a domestic scale. Which would you advise in time of threatened epidemic from water borne disease?
5. The following summary of an analysis of water is received by you. What conclusions would you draw from it?

Water derived from surface well in sterile vessel, bright and clear, quite palatable, earthy odor on heating, no particular sediment.

Free ammonia	0.185 per 100,000.
Albumenoid ammonia	0.08 " "
Nitrites	traces.
Nitrates	3.2 per 100,000.
Chlorine	6.5 " "

Sample shows 8000 bacteria per 1 cc, of which an average of 12 are *Bacillus coli* *Streptococci* are also present in detectable numbers.



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MEDICAL JURISPRUDENCE AND TOXICOLOGY.

1. Mention and describe where necessary the various ways in which the process of putrefaction may be modified.
 2. Give in detail the internal and external signs of asphyxia.
 3. A dead body having wounds and burns upon it is found in a burning building. Mention possible causes of death and outline your method for determining the actual cause.
 4. How may blood stains be identified? Describe the methods employed.
 5. Give symptoms, treatment, fatal period, fatal dose and post-mortem signs in a case of acute phosphorus poisoning.
 6. Give symptoms, treatment, fatal period and fatal dose in a case of acute opium poisoning.
-

JUNIOR MEDICAL AND SURGICAL ANATOMY.

1. Ligate the ulnar artery, the posterior tibial artery upper third.
 2. What position is assumed by the limb in dislocation of the hip (*dorsum ilii*), in subglenoid dislocation of the humerus?
 3. Give the action of the following muscles: *Gluteus maximus*, *adductor magnus*, *tibialis posticus*, *pectoralis major*, and *supinator brevis*.
 4. Give the landmarks for the brachial artery, for the musculo spiral nerve; the blood and nerve supply of the hip joint.
-

SENIOR PRACTICE OF MEDICINE.

1. Treat all the complications that may ordinarily arise in a case of typhoid fever between the 15th and the 25th day.
2. Describe the symptoms of psoriasis and differentiate this condition from (*a*) eczema, (*b*) syphilis.
3. Give the etiology, symptoms, prognosis and treatment of apoplexy.
4. What is neurasthenia? Describe the symptoms and briefly outline your management of a case.
5. Trace a few of the more pathologic effects on the adult tissue of the regular and persistent over-indulgence in (*a*) food, (*b*) alcohol.
6. Describe the clinical course of a case of facial paralysis, due to exposure to cold, and briefly indicate your treatment of this affection.

SENIOR SURGERY.

1. Give very briefly the symptoms and treatment of the following: Erysipelas, burns, syncope, acute epiphysitis.
 2. Diagnose subspinous dislocation of the humerus from fracture of the surgical neck of humerus.
 3. Symptoms of first and second stages of tuberculosis of hip joint. Outline briefly your management of first stage. Explain the use of Bradford's fixation frame. Give the incision for curetting the joint.
 4. Describe your treatment of a fracture about the middle of femur.
 5. Symptoms of concussion of the brain. Explain "relapsing unconsciousness." Describe briefly the operation of trephining.
 6. Outline your incisions in amputation through (a) lower part of leg, (b) middle of arm. Describe the operation for appendicitis performed during the interval.
-

SENIOR OBSTETRICS AND GYNÆCOLOGY.

1. In a vertex presentation, *left occipito-posterior*, describe the mechanism when posterior rotation takes place. In such a case describe the application of the forceps and delivery of the head.
2. What are the principal causes of *abortion*? At what periods does it most frequently occur? What are the symptoms of an incomplete abortion?
3. What are the causes of an ante-partum hemorrhage? How would you recognize and manage a case of accidental hemorrhage occurring during the first stage of labor?
4. Enumerate the causes of eroded and fissured nipples. Describe the management and treatment.
5. Give the symptoms of multilocular ovarian cystoma. With what other conditions might it be confounded? Give the differential diagnosis of any two enumerated.
6. Enumerate the causes which lead to formation of pelvic abscess.
7. Give the varieties of hypertrophic elongation of the cervix uteri. How may it be diagnosed from prolapse of the uterus in the third stage?
8. What is syncytioma malignum (malignant deciduoma)? Give the causes, symptoms and prognosis.

DISEASES OF EYE, EAR, NOSE AND THROAT.

1. (1) What is cataract? (2) What are the different varieties? (3) State the method of making a diagnosis. (4) State the treatment of each variety.

2. For what conditions of the eye are the following remedies suitable: (1) atropine, (2) eserine, (3) yellow oxide of mercury, (4) argyrol, (5) acetate of zinc? Write a prescription for each of these drugs.

3. (1) By what natural means is air supplied to the middle ear? (2) Describe the effects of closure of the eustachian tube. (3) Describe the various methods of inflation of the middle ear.

4. What are the causes of dysphagia? How would you proceed to determine the cause in a given case?

5. A child of five years of age constantly breathes through the mouth and snores at night so as to annoy and distress the parents. Sleep is restless and disturbed by nightmare. The child has a stupid and listless expression and is said to be dull at school. There is a slight deafness, but no earache. The voice has a peculiar, dead, non-resonant character. There is a dry, tickling cough, an irritating nasal discharge, producing excoriation of the skin around the nose and lips. There is the deformity of the chest known as pigeon breast. Discuss this cause in regard to (1) diagnosis, (2) prognosis, (3) treatment.

SENIOR MEDICAL AND SURGICAL ANATOMY.

1. Outline the external surface of the cerebrum, showing fissures, convolutions and important centres.

2. In what situations may pain be felt in (a) ureteral calculus, (b) aortic aneurism? How reflected?

3. Give (a) the covering of inguinal hernia, (b) the operation for pus in the pericardium.

4. Give the landmarks for the spleen, left kidney, pleura.

5. Account for the deformity in fracture of the lower third of the tibia, extra capsular fracture of the femur, backward dislocation of the elbow.

PATHOLOGY—FOURTH YEAR.

1. Describe the mode of infection and the lesions of tubercular meningitis.

2. Describe the causes, lesions and terminations of acute general peritonitis. Mention the bacteria which are usually met with.

3. Describe fully the usual lesions met with in chronic ulcerative phthisis.
4. Describe the more common bone lesions of acquired syphilis.
5. Describe the pathology of "enlargements" of the thyroid gland.
6. Describe shortly the pathology of acute forms of appendicitis.

BACTERIOLOGY.

1. Describe the structure of the bacterial cell. Give the general requirements for and methods of growth and propagation of bacteria.
2. Give examples of two ways in which an active immunity against bacterial disease may be obtained, and outline the theoretical method of formation of the immunizing substances.
3. Give the distribution, morphological and distinctive cultural characters of the staphylococcus pyogenes aureus. Name some of the lesions in which it is usually the causal agent.
4. Outline a method of making a bacteriological diagnosis in a case of suspected diphtheria. How would you prove that bacillus obtained was actually the diphtheria bacillus?
5. What are "acid-fast" bacteria? Differentiate between the forms which might be met with in this country in making bacteriological diagnoses.
6. Describe the distribution and general morphological and cultural characters of the bacillus coli communis. In what lesions may it be active? What is its import when found in drinking water?

Students in Attendance.

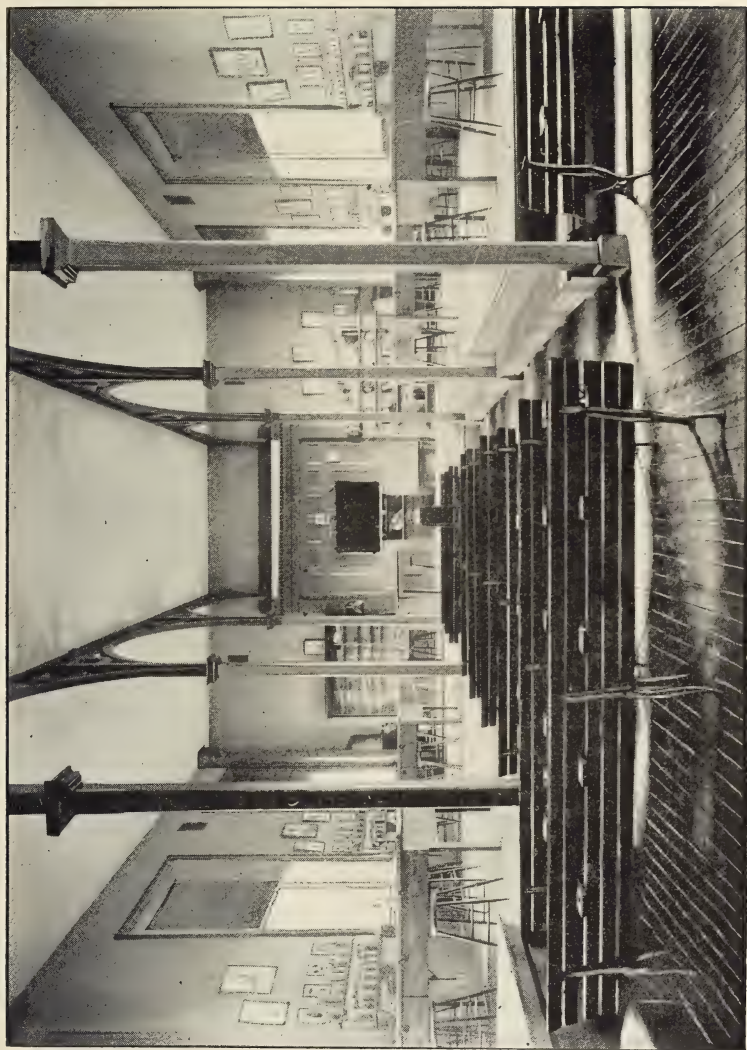
1904-5.

NAME.	ADDRESS.	YEAR.
Allaire, J	St. Laurent, Que.	1
Asselstine, B.	Wilton	2
Austin, C. J.	Gouverneur, N.Y.	5
Baker, A. E.	Osnabruck Centre	3
Baker, J. O.	Newington.	1
Ballantyne, W. H.	Kingston	4
Beggs, W.	Hallville	1
Bell, A. M.	Moscow	3
Bennett, H. J.	Gananoque	4
Bolton, E.	Phillipsville	3
Bond, H. E.	Kingston, Jamaica	2
Bow, M. R.	Winchester	1
Bowen, H. M.	Gananoque	2
Brander, J. F.	Northport, N.S.	3
Bromley, J. E.	Pembroke	5
Brown, J. E.	Kingston, Jamaica	2
Buck, L. L.	Railton	1
Burke, M. L.	Port Antonio, Jam.	2
Burrows, E. A.	McKellar	5
Byers, J. C.	Eganville	1
Byrne, E. P.	Kingston	1
Carmichael, M. A.	Whycocomagh, N.S.	3
Carmichael, S. V.	Spencerville	1
Carruthers, J. S.	New Glasgow, N.S.	5
Carto, G. E.	Georgetown, Demarara.	2
Casselman, S. B.	North Williamsburg	2
Cays, F. A.	Kingston	2
Chant, J.	Chantry	4
Charbonneau, J. E., B.A.	Hawkesbury	2
Charlebois, J. A., B.A.	Hull, Que.	2
Clancy, J. P.	Newburgh	1
Claxton, William	Verona	1
Cliff, G. F.	Kingston	3
Cochrane, H.	Sunbury	3
Cockburn, G. L.	Sturgeon Falls	3
Code, J. H.	Kingston	4
Collinson, J.	Piercefield, N.Y.	2
Connolly, H. A., M.A.	Kingston	1
Connolly, N. W.	Kingston	1
Consitt, E. C.	Perth	4
Cornett, W. F.	Kingston	1
Corrigan, J. A.	Kingston	5
Costello, M. C.	Calgary, Alberta	1
Cotnam, I. D.	Pembroke	1
Coulombe, P. O., B.L.	Chénéville, Que.	1
Craig, H. G.	Aylmer, Que.	3
Craig, W. H.	Kingston	1
Curphey, A. G.	Kingston, Jamaica	2
Dick, D.	Toronto	1
Dingwall, D. G.	Lancaster	3
Donevan, F. J.	Gananoque	2

Doyle, J. F.	Kingston	3
Duchesne, J. H., B.A.	St. Anne	2
Dudley, W. H.	Pembroke	4
Dunlop, H.	Kingston	1
Dwyer, J. G., M.A.	Kingston	4
Fee, D. L.	Camden East	1
Ferguson, J. Y., B.A.	Renfrew	4
Ford, W. H.	Bridgetown, Barbadoes	2
Gaudet, E. A., B.A.	Moncton, N.B.	4
Gavin, W. F.	Melcombe	3
Geddes, W. J.	Kingston	5
Girvin, A. W.	Stella	4
Gordon, G. D.	Kingston	4
Graham, C. W.	Kingston	3
Greaves, G. A.	Kingston	2
Grimshaw, M. E.	Wolfe Island	4
Hagenburger, G. L.	Boston, Mass.	5
Halladay, R. W., B.A.	Elgin	4
Hambly, W. R.	Napanee	1
Haycock, G. G.	Kingston	4
Herald, J. G.	Kingston	3
Hogan, J. T.	Perth	4
Hourigan, J. M.	Smith's Falls	4
Hunt, A. H.	Bridgetown, Barbadoes	4
Hurtubise, R.	St. Anne de Prescott	1
Jeffrey, J. R. S.	Demarara, British Guiana	2
Johnston, A. C.	Kingston	2
Johnston, John, B.A.	Combermere	3
Keeley, F. J.	Railton	2
Kelly, J. M.	Addison	1
Kennedy, W. D.	Jockvale	1
Keyes, S. J.	Kingston	4
Kingsley, F.	Wolfe Island	5
Knapp, A. E., B.A.	Kingston	1
LaBarrie, A. L.	Port of Spain, Trinidad	2
Laidlaw, C., B.A.	Georgetown	2
Laidley, W. G.	Odessa	3
Laing, A. V.	Dundas	1
Lapierre, J. M.	Buckingham, Que.	1
Larocque, Jos. B.	Alfred	5
Lavell, W. H.	Kingston	5
Lawler, C. A.	Kingston	3
Lesses, M.	Kingston	4
Little, Thos.	Kingston	1
Locke, M.	Brinston Corners	4
Losee, J. R.	Collinsby	2
Longmore, H. B., B.A.	Camden East	1
Lowe, F. E.	Montego Bay, Jamaica	3
Mabee, H. C.	Odessa	1
MacDonald, A.	Frankford	1
Macgillivray, T. D., B.A.	Kingston	4
MacKinnon, D. L.	Lake Ainslee, N.S.	4
MacLachlan, A. J.	Glencoe	4
MacMillan, A. D.	Finch	4
Mahood, A. E., B.A.	Kingston	4
Mikaera, W. R.	Gladstone, New Zealand	4
Milburn, H. H.	Peterboro	1
Mills, R. M.	Kingston	2

Moore, H. E.....	Pickering.....	3
Morrison, Wm., B.A.....	Ashgrove.....	1
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Murtagh, H. J.....	Aylmer, Que.....	1
Myers, E. T.....	Portland.....	1
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McCambridge, L. L.....	Kingston.....	2
McCormick, A. M.....	Ottawa.....	2
McCormick, J. P.....	Ottawa.....	3
McDermott, J. P.....	Eganville.....	2
McDermott, J. F.....	Kingston.....	2
McDonald, A.....	Scotch Line.....	2
McDonald, D. J.....	Whycocomagh, N.S.....	3
McFayden, J. Y.....	Tignish, P.E.I.....	3
McIntosh, F. B.....	Kingston.....	1
McIntosh, P.A., B.A.....	Dundela.....	4
McKenley, A. G.....	Chapelton, Jam.....	3
McKinley, N. J.....	Seeley's Bay.....	1
McLean, J. A.....	Georgetown, Demarara, B.G.....	1
McLellan, D.....	Forester's Falls.....	3
McLeod, N.....	Moose Creek.....	2
McNamara, J. P.....	Stratford.....	2
Nicholls, R. F.....	Kingston.....	2
Nicolle, F. R., B.A.....	Kingston.....	3
Nurse, C. T. C.....	Georgetown, Demarara, B.G.....	1
O'Connor, F. J.....	Long Point.....	3
Paul, R. D.....	Selby.....	2
Paterson, R. K.....	Renfrew.....	3
Patterson, C. A.....	Athens.....	1
Patterson, Geo.....	Stella.....	1
Patterson, W. E.....	Newburgh.....	3
Patterson, W. R., B.A.....	Kingston.....	3
Palmer, W. M. R.....	Northcote.....	3
Playfair, L. L.....	Kingston.....	3
Porter, J. B.....	Consecon.....	5
Porter, W. C., B.A.....	Cleveland, Ohio.....	2
Presault, J. W.....	Alfred.....	5
Publow, C. A.....	Kingston.....	3
Quigley, J. P., M.A.....	Kingston.....	2
Rampersand, J. E.....	Georgetown, Demarara, B.G.....	1
Randall, G. R.....	Seeley's Bay.....	4
Redden, H. O.....	Ernesttown.....	3
Reid, Jas.....	Renfrew.....	3
Reid, R. G.....	Kingston.....	4
Reynolds, M. E., B.A.....	Athens.....	4
Riddick, W.....	Ottawa.....	2
Rielly, F. J., B.A.....	Sydenham.....	1
Rigney, M. G.....	Maberly.....	3
Robb, J. J., B.A.....	Battersea.....	4
Robb, W. M.....	Lunenburg.....	4
Robinson, R. H.....	Hamilton, Bermuda.....	1
Ross, T. R.....	Kingston, Demarara.....	1
Sandwith, B. A.....	Kingston.....	3
Sargent, F. R.....	Kingston.....	1
Saunders, T. F.....	Rhinebeck, N.Y.....	3
Scott, R. H.....	Pembroke.....	5
Shannon, S. S.....	Kingston.....	3
Smith, B. A.....	Hartington.....	4

Smith, S. H.....	Chambers.....	3
Smith, W. A.....	Kingston	4
Snyder, J. B.....	Lancaster	3
Spankie, A. T.....	Wolfe Island.....	2
Spankie, W. E.....	Wolfe Island.....	3
Sparks, J. F., B.A.....	Kingston	4
Spence, H. D. L., B.A.....	Kingston	1
Spooner, A. C., B.A.....	Latimer	4
Sproule, E. W.....	Harrowsmith	4
Stewart, J. A.....	Renfrew	5
Stewart, J. R., B.A.....	Waba	3
Story, G. E.....	Almonte	2
Stuart, G. M.....	Blyth	3
Sullivan, H. J.....	Peterboro	2
Sutherland, B.....	Belleville	3
Sutherland, E.....	Belleville	3
Taughner, W. J.....	Beachburg.....	3
Templeton, C. P.....	Napanee	3
Tennent, R. W.....	Belleville	4
Thompson, A. Y., B.A.....	Strathroy	3
Thompson, B. H.....	Kingston	1
Trousdale, F. H.....	Hartington	2
Turnbull, J.....	Lowville	4
Twitchell, E. G.....	Kingston	3
Tyner, S. E.....	Kingston	5
Wade, J. J.....	Balderson	3
Wagar, C. M.....	Enterprise.....	4
Walker, M. J. O.....	Kingston ..	2
Warren, F. R. W., B.A	Balderson	4
Warren, J. W.....	Harper	4
Wellwood, T. R.....	Mono Mills	1
Wightman, R.....	Lancaster.....	2
Williamson, H. J., B.A.....	Kingston	4
Young, D. M.....	Bristol Corners	3
Young, F. S.....	Forfar	3
Yule, W. L.....	Gananoque	2



PATHOLOGICAL HISTOLOGY.

Medical Examinations.

DEGREE OF M.D. AND C.M.

Bennett, H. J.....	Gananoque.
Chant, Joseph.....	Chantry.
Code, J. H.....	Kingston.
Consitt, E. C.....	Perth.
Corrigan, J. A.....	Kingston.
Dudley, W. H.....	Pembroke.
Dwyer, J. G., M.A.....	Kingston.
Ferguson, J. Y., B.A.....	Renfrew.
Gaudet, E. A., B.A.....	Moncton, N.B.
Girvin, A. W.....	Stella.
Grimshaw, M. E.....	Wolfe Island.
Halladay, R. W., B.A.....	Elgin.
Hogan, J. T.....	Perth.
Hourigan, J. M.....	Smith's Falls.
Hunt, A. H.....	Bridgetown, Barbadoes.
Lesses, M.....	Kingston.
Locke, M.....	Brinston's Corners.
Macgillivray, T. D., B.A.....	Kingston.
MacKinnon, D. L.....	Lake Ainslie, N.S.
MacMillan, A. D.....	Finch.
Mahood, A. E., B.A.....	Kingston.
McIntosh, P. A., B.A.....	Dundela.
Moxley, C. R.....	Kingston.
Randall, G. R.....	Seeley's Bay.
Reynolds, M. E., B.A.....	Athens.
Reid, R. G.....	Kingston.
Robb, J. J., B.A.....	Battersea.
Robb, W. M.....	Lunenburg.
Smith, B. A.....	Hartington.
Smith, W. A.....	Kingston.
Sparks, J. F., B.A.....	Kingston.
Spooner, A. C., B.A.....	Latimer.
Sproule, E. W.....	Harrowsmith.
Tennent, R. W.....	Belleville.
Turnbull, John.....	Lowville.
Wagar, C. M.....	Enterprise.
Warren, F. R. W., B.A.....	Balderson.
Warren, J. W.....	Harper.
Williamson, H. J., B.A.....	Kingston.

MEDALS AND PRIZES.

Medal in Medicine :

A. C. Spooner, B.A.....Latimer.

Medal in Surgery :

M. Lesses.....Kingston.

Chancellor's Scholarship :

J. F. Sparks, B.A.....Kingston.

Dr. Clarke's Prize in Mental Diseases :

Equal { T. D. Macgillivray, B.A.....Kingston.
 { E. W. SprouleHarrowsmith.

Dr. Mundell's Prize in Medical and Surgical Anatomy :

J. G. Dwyer, M.A.....Kingston.

Dean Fowler Scholarship (third year):

Elmer BoltonPhillipsville.

MacCabe Prize in Pathology :

A. E. Baker.....Osnabruck Centre.

Faculty Prize (second year):

F. H. Trousdale.....Hartington.

New York Alumnae Association Prize in Physiology and Histology :

J. P. Quigley, M.A.Kingston.

Hayunga Prize in Pharmacology and Therapeutics :

M. L. BurkePort Antonio, Jamaica.

Hayunga Prizes for best dissection made by two students :

A. T. Spankie.....Wolfe Island.

M. J. O. WalkerKingston.

Wm. K. Warner & Co. Prize for best examination in Anatomy of 1st year :

C. T. C. Nurse.....Georgetown, British Guiana.

House Surgeons in General Hospital :

A. C. Spooner, B.A.....Latimer.

M. Lesses.....Kingston.

H. J. Williamson, B.A.....Kingston.

Next in order—J. F. Sparks, B.A.....Kingston.

Medical Examinations, April, 1905.

First Year.

PHYSICS.

F. B. McIntosh.

JUNIOR CHEMISTRY.

J. C. Byers, I. D. Cotnam, H. H. Milburn, E. T. Myers, S. V. Carmichael, W. Morrison, M. R. Bow, J. O. Baker, W. R. Hambly, N. W. Connolly, M. C. Costello, E. P. Byrne, C. A. Patterson; L. J. Day and F. B. McIntosh, equal; J. A. Stewart; L. L. Buck and J. M. Kelly, equal; B. H. Thompson, D. L. Fee.

ANIMAL BIOLOGY AND JUNIOR PHYSIOLOGY.

H. D. L. Spence, I. D. Cotnam, H. A. Connolly, T. R. Wellwood, M. R. Bow, Arch. MacDonald, H. B. Longmore; E. P. Byrne and S. V. Carmichael, equal; W. C. Porter, G. A. Greaves, William Morrison, W. R. Hambly, J. O. Byers, M. C. Costello, J. Kelly; L. L. Buck and N. W. Connolly, equal; C. A. Patterson, P. O. Coulombe; E. T. Myers and T. R. Ross, equal; J. O. Baker, F. B. McIntosh, A. C. Johnston, W. Beggs, H. H. Milburn, H. C. Mabee, H. E. Bond, B. H. Thompson, J. E. Charbonneau, J. R. Hurtubise.

JUNIOR ANATOMY.

H. D. L. Spence, E. T. Myers, H. Dunlop, I. D. Cotnam; T. R. Wellwood and W. Morrison, equal; J. O. Baker, S. V. Carmichael and H. A. Connolly, equal; A. MacDonald, H. H. Milburn, M. Costello, F. R. Sargent, J. C. Byers, W. R. Hambly, P. O. Coulombe; C. A. Patterson and W. Beggs, equal; N. W. Connolly and H. B. Longmore, equal; M. R. Bow, T. R. Ross, F. B. McIntosh, E. P. Byrne; B. H. Thompson and J. M. Kelly, equal; H. C. Mabee, W. F. Cornett, L. L. Buck, H. E. Bond, J. R. Hurtubise, J. H. Duchesne.

JUNIOR MATERIA MEDICA.

H. B. Longmore; H. Dunlop and I. D. Cotnam, equal; W. Fred. Cornett, F. R. Sargent; E. T. Myers and W. Morrison, equal; H. A. Connolly, J. O. Baker, J. C. Byers; P. O. Coulombe and H. H. Millburn, equal; H. D. L. Spence; F. B. McIntosh and Archie MacDonald, equal; S. V. Carmichael; W. A. Claxton and Mac. R. Bow, equal; N. W. Connolly; J. M. Kelly and C. A. Patterson, equal; W. M. Begg, T. R. Ross; W. R. Hambly and H. C. Mabee, equal; L. L. Buck and J. R. Hurtubise, equal; M. C. Costello; Thomas R. Wellwood and B. H. Thompson, equal; E. P. Byrne, Joseph W. Allaire, Thomas Little, J. E. Charbonneau, A. Y. Thompson, J. M. Lapierre.

Second Year.

SENIOR PHYSIOLOGY.

J. P. Quigley, J. P. McNamara, A. G. Curphey, S. McCallum, G. E. Carto, R. Wightman ; C. A. Laidlaw and S. B. Casselman, equal ; John Johnston and R. D. Paul, equal ; M. J. O. Walker, M. L. Burke ; H. M. Bowen, H. J. Sullivan and F. H. Trousdale, equal ; A. M. McCormick, John F. McDermott, B. Asselstine, W. L. Yule ; J. E. Brown and G. A. Greaves, equal ; F. J. Keeley, G. E. Story, D. McLellan ; F. Kingsley, A. T. Spankie, equal ; A. C. Johnston ; A. McDonald, J. H. Duchesne, W. J. Geddes, R. F. Nicholls, G. F. Cliff, E. A. Gaudet and W. H. Lavell, equal.

HISTOLOGY.

J. P. Quigley, G. E. Carto, C. Laidlaw, H. B. Longmore ; F. H. Trousdale and R. D. Paul, equal ; B. Asselstine, R. Wightman, A. G. Curphey, S. B. Casselman, D. McLellan, A. C. Johnston, F. J. Keeley, G. A. Greaves ; J. E. Brown, H. M. Bowen and R. F. Nicholls, equal ; G. E. Story ; M. L. Burke and W. L. Yule, equal ; A. McDonald, M. J. Walker, H. J. Sullivan, A. M. McCormick, W. H. Ford, A. T. Spankie ; W. J. Geddes, R. Mills and H. E. Bond, equal.

SENIOR ANATOMY.

R. Wightman, R. D. Paul ; S. McCallum and F. H. Trousdale, equal ; G. E. Carto, J. P. McNamara and W. Lorne Yule, equal ; J. R. Losee and J. P. Quigley, equal ; B. Asselstine, J. Johnston, A. G. Curphey, C. W. Graham, A. T. Spankie, S. Casselman, F. J. Keeley, M. L. Burke ; G. Story and M. J. O. Walker, equal ; A. M. McCormick ; J. E. Brown and George Greaves, equal ; C. Laidlaw, H. M. Bowen and J. F. McDermott, equal ; A. C. Johnston, J. Herbert Sullivan, R. F. Nicholls, H. J. Bennett.

SENIOR CHEMISTRY.

T. R. Wellwood, T. F. Saunders, John Johnston, R. D. Paul, J. P. Quigley and E. G. C. Twitchell, equal ; W. C. Porter, H. M. Bowen, M. L. Burke, G. E. Carto, F. H. Trousdale, L. J. Day, W. L. Yule ; A. M. McCormick, A. T. Spankie and A. G. Curphey, equal ; F. J. Keeley, B. Asselstine, R. Wightman, J. H. Sullivan, J. A. Corrigan, M. J. O. Walker, S. B. Casselman, G. A. Greaves, J. E. Brown, Angus McDonald, J. A. Stewart ; A. C. Johnston and R. F. Nicholls, equal.

PRACTICAL CHEMISTRY.

J. P. McNamara, W. L. Yule, H. B. Longmore, F. H. Trousdale, S. Shannon, G. A. Greaves ; S. B. Casselman and A. T. Spankie, equal ; G. E. Carto, H. M. Bowen, C. Laidlaw and R. Wightman, equal ; A. McDonald, R. D. Paul ; J. P. Quigley and J. H. Sullivan, equal ; H. D. L. Spence, B. Asselstine ; A. G. Curphey, A. C. Johnston and A. M. McCor-

mick, equal ; F. J. Keeley, H. E. Bond, J. Johnston, R. F. Nicholls and M. J. O. Walker, equal ; M. L. Burke, W. C. Porter, P. A. McIntosh, E. G. Twitchell, J. H. Duchesne, W. H. Ford, J. Charbonneau, J. A. Corrigan.

PHARMACY AND PHARMACOLOGY.

F. H. Trousdale, M. L. Burke, J. P. Quigley, C. Laidlaw ; C. W. Graham, R. Wightman and J. R. Losee, equal ; R. D. Paul ; A. T. Spankie, J. F. McDermott and S. McCallum, equal ; George E. Carto, M. J. O. Walker, H. M. Bowen ; George Randall and J. Johnston, equal ; J. E. Brown, H. J. Sullivan ; W. L. Yule. H. D. L. Spence and G. Greaves, equal ; A. G. Curphey, S. B. Casselman, T. F. Saunders ; A. M. McCormick and G. E. Story, equal ; W. H. Ford, B. Asselstine ; F. J. Keeley, F. R. Nicolle and R. Mills, equal ; F. G. Donevan ; A. C. Johnston, J. H. Duchesne, A. McDonald and W. F. Gavin, equal.

Third Year.

JUNIOR OBSTETRICS AND PEDIATRICS.

A. M. Bell ; E. Bolton and J. R. Stewart, equal ; S. McCallum ; H. Cochrane and John Johnston, equal ; E. Sutherland, W. E. Patterson, D. G. Dingwall ; A. E. Baker, W. R. Patterson and L. L. Playfair, equal ; F. E. Lowe, H. O. Redden and James Reid, equal ; J. F. Brander and D. J. McDonald, equal ; G. M. Stuart, F. J. O'Connor and A. G. McKenley, equal ; W. E. Spankie and T. F. Saunders, equal ; J. J. Wade ; B. Sutherland, J. B. Snyder and W. J. Taugher, equal ; C. A. Publow, H. G. Craig, S. S. Shannon ; C. A. Lawler and J. F. Doyle, equal ; G. F. Cliff, H. B. Longmore ; C. P. Templeton and D. M. Young, equal ; D. McLellan and S. H. Smith, equal ; F. R. Nicolle and M. G. Rigney, equal ; J. P. McCormick and W. M. R. Palmer, equal ; G. L. Cockburn, W. H. Ballantyne, A. Y. Thompson ; W. F. Gavin, H. E. Moore, J. G. Herald and E. G. Twitchell, equal ; R. K. Paterson.

JUNIOR PRACTICE OF MEDICINE.

A. M. Bell and W. R. Patterson, equal ; R. K. Paterson and W. Playfair, equal ; H. Cochrane, J. R. Stewart and E. Bolton, equal ; J. J. Wade, H. O. Redden, W. E. Patterson, T. F. Saunders, G. M. Stuart ; F. J. O'Connor, C. W. Graham, A. G. McKenley, C. A. Publow and J. P. McCormick, equal ; F. R. Nicolle and D. McLellan, equal ; W. E. Spankie, S. McCallum, A. E. Baker, B. Sutherland and J. Johnston, equal ; E. Sutherland, S. Shannon, F. E. Lowe and J. Reid, equal ; W. Taugher and M. G. Rigney, equal ; J. F. Doyle and H. G. Craig, equal ; D. G. Dingwall, G. L. Cockburn, G. F. Cliff ; H. E. Moore and C. A. Lawler, equal ; D. M. Young, C. P. Templeton, J. B. Snyder, J. F. Brander and W. F. Gavin, equal ; D. J. McDonald, J. G. Herald ; W. R. Mikaera and J. A. Stewart, equal ; W. M. Palmer, S. H. Smith.

JUNIOR SURGERY.

A. E. Baker and W. R. Patterson, equal ; E. Bolton, L. L. Playfair ; E. Sutherland, C. A. Publow and F. E. Lowe, equal ; A. G. McKenley ; J. Johnston, J. P. McCormick and F. J. O'Connor, equal ; S. McCallum ; R. K. Paterson, B. Sutherland and D. G. Dingwall, equal ; A. M. Bell ; S. H. Smith, W. Taugher, H. O. Redden, D. J. McDonald and D. McLellan, equal ; A. E. Gaudet and W. F. Gavin, equal ; G. D. Gordon, J. Reid, J. B. Snyder and G. M. Stuart, equal ; J. J. Wade ; J. R. Stewart and J. F. Brander, equal ; B. A. Smith ; W. E. Patterson and C. W. Graham, equal ; C. A. Lawler, S. Shannon, H. Cochrane and D. M. Young, equal ; G. L. Cockburn and G. R. Randall, equal ; W. E. Spankie ; J. M. Hourigan, T. F. Saunders and A. Y. Thompson, equal ; H. G. Craig and F. Nicolle, equal ; G. F. Cliff, C. P. Templeton and J. F. Doyle, equal ; E. G. Twitchell and R. W. Tennent, equal ; W. R. Palmer ; M. G. Rigney and H. E. Moore, equal ; J. G. Herald, W. Mikaera, J. McFadyen.

PATHOLOGY.

E. Bolton, A. E. Baker ; J. R. Stewart and W. R. Patterson, equal ; James Reid ; L. L. Playfair and C. A. Lawler, equal ; R. K. Paterson, W. E. Patterson, J. B. Snyder ; F. J. O'Connor and E. Sutherland, equal ; D. J. McDonald and A. G. McKenley, equal ; C. A. Publow and J. P. McCormick, equal ; F. E. Lowe and J. J. Wade, equal ; W. F. Gavin and H. B. Longmore, equal ; B. Sutherland ; W. E. Spankie and W. J. Taugher, equal ; H. Cochrane ; G. M. Stuart, A. M. Bell and D. G. Dingwall, equal ; T. F. Saunders, H. O. Redden and J. F. Brander, equal ; S. H. Smith ; F. R. Nicolle and H. G. Craig, equal ; C. J. Austin and R. W. Tennent, equal ; C. P. Templeton, J. F. Doyle ; G. L. Cockburn, E. G. Twitchell, M. G. Rigney and S. Shannon, equal.

SANITARY SCIENCE.

C. A. Publow, A. E. Baker ; E. Bolton, W. R. Patterson and J. R. Stewart, equal ; S. McCallum ; L. L. Playfair, J. Johnston, equal ; H. D. L. Spence, F. J. O'Connor, J. Reid, J. G. Dwyer, W. F. Gavin ; H. Cochrane and W. Taugher, equal ; H. B. Longmore, C. A. Laidlaw ; A. M. Bell, J. J. Wade and D. McLellan, equal ; G. M. Stuart, C. A. Lawler and W. E. Spankie, equal ; F. E. Lowe ; W. E. Patterson and S. H. Smith, equal ; B. Sutherland ; G. L. Cockburn, D. G. Dingwall, E. A. Gaudet and A. G. McKenley, equal ; J. P. McCormick, J. B. Snyder ; C. W. Graham, G. Randall, T. F. Saunders, equal ; D. J. McDonald, W. H. Dudley, equal ; G. F. Cliff, H. O. Redden ; A. Y. Thompson and H. G. Craig, equal ; W. M. Palmer and M. G. Rigney, equal ; J. F. Doyle, E. G. Twitchell, C. P. Templeton and J. A. Stewart, equal ; J. Turnbull ; J. Y. McFadyen and J. F. Brander, equal ; J. G. Herald.

JURISPRUDENCE AND TOXICOLOGY.

L. L. Playfair, A. E. Baker, E. Bolton ; J. Reid, A. M. Bell, equal ; H. O. Redden, D. J. McDonald and J. G. Dwyer, equal ; S. McCallum, J.

P. McCormick, J. R. Stewart, W. F. Gavin, C. Laidlaw, W. E. Spankie, F. R. Sargent ; F. E. Lowe, W. R. Patterson and J. J. Wade, equal ; F. J. O'Connor ; T. F. Saunders and C. A. Lawler, equal ; A. G. McKenley, W. E. Patterson ; D. McLellan, G. L. Cockburn, equal ; C. A. Publow and H. Cochrane, equal ; W. M. R. Palmer, J. B. Snyder, H. B. Longmore, W. Taugher ; B. Sutherland and S. Shannon, equal ; S. H. Smith, G. M. Stuart, D. M. Young, G. E. Story, E. G. Twitchell, G. F. Cliff, H. G. Craig, J. F. Brander, M. G. Rigney, J. G. Herald.

JUNIOR APPLIED ANATOMY.

E. Bolton, W. E. Spankie, J. G. Dwyer, E. Sutherland, F. R. Warren ; W. R. Patterson, F. J. O'Connor and C. P. Templeton, equal ; A. M. Bell and A. E. Baker, equal ; W. E. Patterson, J. B. Snyder, L. L. Playfair ; W. Taugher and D. G. Dingwall, equal ; D. J. McDonald, A. Y. Thompson ; C. Lawler and J. Johnston, equal ; R. K. Paterson ; H. Cochrane, James Reid and J. R. Stewart, equal ; S. McCallum, W. R. Mikaera and C. W. Graham, equal ; C. A. Publow, J. P. McCormick, A. G. McKenley ; G. M. Stuart, B. Sutherland, J. G. Herald, T. F. Saunders, H. G. Craig, J. F. Doyle, J. F. Brander, W. F. Gavin, J. J. Wade, H. O. Redden, G. F. Cliff, D. McLellan, F. E. Lowe, S. H. Smith, E. G. Twitchell, A. J. MacLachlan, S. Shannon, G. L. Cockburn, F. R. Nicolle, W. M. Palmer.

Fourth Year.

SENIOR PRACTICE OF MEDICINE.

H. J. Williamson, A. C. Spooner, M. Lesses, equal ; J. F. Sparks, P. A. McIntosh, B. A. Smith ; J. T. Hogan, H. J. Bennett, equal ; W. M. Robb, M. E. Grimshaw ; J. Turnbull, E. C. Consitt, T. D. Macgillivray, E. A. Gaudet, equal ; E. W. Sproule, J. W. Warren, R. W. Halladay, equal ; M. Locke, D. L. MacKinnon, J. Y. Ferguson, A. D. MacMillan, equal ; A. E. Mahood, S. J. Keyes, G. R. Reid, equal ; C. M. Wagar, G. R. Randall, J. J. Robb, W. H. Dudley, A. H. Hunt, G. Haycock, J. G. Dwyer, W. G. Ballantyne, M. E. Reynolds, F. R. W. Warren, A. J. MacLachlan, J. M. Hourigan, J. H. Code, W. A. Smith, F. Kingsley, J. Chant, C. R. Moxley, G. D. Gordon, A. W. Girvin, W. J. Geddes, R. W. Tennent, J. A. Corrigan.

CLINICAL MEDICINE.

A. C. Spooner, J. F. Sparks, H. J. Williamson, A. H. Hunt, R. W. Halladay, M. E. Grimshaw, equal ; A. D. Macmillan, D. L. MacKinnon, E. W. Sproule, A. W. Girvin, M. Locke, equal ; B. A. Smith ; T. D. Macgillivray, M. Lesses, A. J. MacLachlan, F. R. W. Warren, J. G. Dwyer, W. M. Robb, J. J. Robb, W. H. Dudley, J. Chant, equal ; P. A. McIntosh, J. W. Warren, H. J. Bennett, M. E. Reynolds, J. T. Hogan, W. N. Ballantyne, J. H. Code, R. W. Tennent, G. R. Reid, E. A. Gaudet, A. E. Mahood, C. M. Wagar, J. Turnbull, E. C. Consitt, J. M. Hourigan, G. Randall, G. W. G. Haycock, C. R. Moxley, J. A. Stewart, W. A. Smith, W. J. Geddes, J. Y. Ferguson.

SENIOR SURGERY.

A. C. Spooner, H. J. Williamson, equal ; J. G. Dwyer, M. Lesses, equal ; J. J. Robb, J. F. Sparks, equal ; P. A. McIntosh ; M. Locke, M. E. Grimshaw, equal ; B. A. Smith, J. T. Hogan, J. Y. Ferguson, E. C. Consitt, T. D. Macgillivray, M. Reynolds, W. H. Dudley, R. W. Halladay, W. M. Robb, J. H. Code, C. R. Moxley, A. D. MacMillan, W. H. Ballantyne, E. W. Sproule, A. W. Girvin, D. L. MacKinnon, F. R. W. Warren, J. Turnbull, S. J. Keyes, W. A. Smith, A. H. Hunt, J. W. Warren, J. Chant, H. J. Bennett, J. M. Hourigan, G. Randall, C. M. Wagar, E. A. Gaudet, R. W. Tennent, G. D. Gordon, A. J. MacLachlan, G. R. Reid, W. H. Lavell, A. E. Mahood, J. A. Corrigan.

CLINICAL SURGERY.

M. Lesses, J. F. Sparks, H. J. Williamson, A. C. Spooner, J. T. Hogan ; A. W. Girvin, R. W. Halladay, M. E. Grimshaw, M. Locke, A. E. Mahood, T. D. Macgillivray, equal ; J. H. Code, W. M. Robb, W. H. Dudley, E. W. Sproule, equal ; F. R. W. Warren, J. G. Dwyer, H. J. Bennett, J. W. Warren, J. J. Robb, J. Chant, J. Y. Ferguson, C. R. Moxley, B. A. Smith, M. Reynolds, W. A. Smith, C. M. Wagar, A. D. MacMillan, J. Turnbull, G. R. Reid, E. A. Gaudet, R. W. Tennent, E. C. Consitt, A. H. Hunt, D. L. MacKinnon, G. R. Randall, W. H. Ballantyne, S. J. Keyes, J. M. Hourigan, P. A. McIntosh, A. J. MacLachlan, W. H. Lavell.

SENIOR OBSTETRICS AND GYNAECOLOGY.

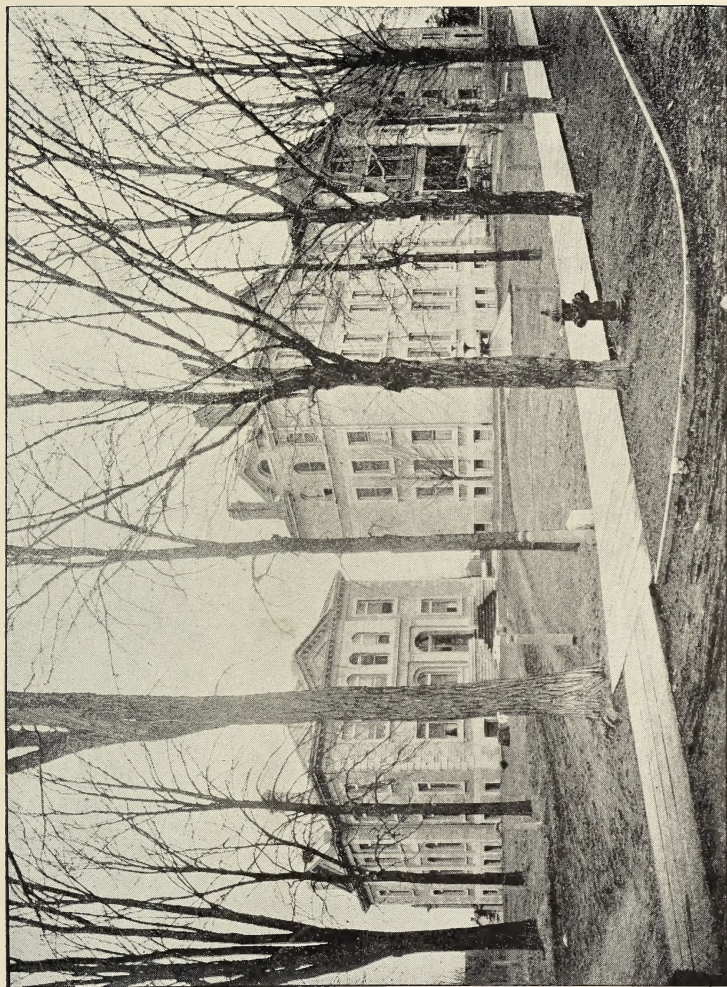
M. Lesses, J. T. Hogan ; R. W. Halladay, M. Reynolds, P. A. McIntosh, equal ; J. G. Dwyer ; B. A. Smith, J. F. Sparks, H. J. Williamson, equal ; A. C. Spooner, E. C. Consitt, M. E. Grimshaw, G. R. Randall, T. D. Macgillivray, J. J. Robb, equal ; J. Chant, A. H. Hunt, E. W. Sproule, R. W. Tennent, M. Locke, J. Y. Ferguson, G. D. Gordon, A. E. Mahood, E. A. Gaudet, F. R. W. Warren, D. L. MacKinnon, A. D. MacMillan, H. J. Behnett, J. M. Hourigan, J. W. Warren, J. H. Code, W. M. Robb, J. Turnbull, W. A. Smith, A. J. MacLachlan, G. R. Reid, C. R. Moxley, A. W. Girvin, W. H. Dudley, C. M. Wagar.

SENIOR APPLIED ANATOMY.

A. C. Spooner, M. Lesses, J. G. Dwyer, J. T. Hogan, H. J. Williamson, J. F. Sparks, M. E. Reynolds, C. R. Moxley, J. J. Robb, W. H. Dudley ; A. E. Mahood and M. Locke, equal ; F. R. Warren and M. E. Grimshaw, equal ; W. A. Smith, J. W. Warren, R. W. Halladay, B. A. Smith, C. M. Wagar and P. A. McIntosh, equal ; D. L. MacKinnon and E. W. Sproule, equal ; T. D. Macgillivray, A. H. Hunt, G. D. Gordon, E. C. Consitt, J. Turnbull, G. R. Randall, A. W. Girvin, J. H. Code, W. M. Robb, J. M. Hourigan, S. J. Keyes, Joseph Chant, H. J. Bennett, G. R. Reid, A. J. MacLachlan, E. A. Gaudet, R. W. Tennent, J. Y. Ferguson, A. D. MacMillan.



HISTOLOGICAL LABORATORY.



KINGSTON GENERAL HOSPITAL—FRONT VIEW.

